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Illinois  
Environmental  
Protection Agency

Division of Public Water Supplies  
2200 Churchill Road  
Springfield, Illinois 62706

23922216

## Groundwater Quality Protection Program

STEELEVILLE  
FACILITY NUMBER 1570650  
WELL SITE SURVEY  
REPORT

Division of Public Water Supplies



ILLINOIS STATE ILLINOIS

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GROUNDWATER QUALITY PROTECTION PROGRAM:

STEELEVILLE  
FACILITY NUMBER 1570650  
WELL SITE SURVEY  
REPORT

Prepared by:

Division of Public Water Supplies

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## INTRODUCTION

This report has been prepared by the Agency pursuant to Section 17.1 of the Illinois Environmental Protection Act. The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

## FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

The Village of Steeleville obtains its water from six shallow sandstone wells. These wells provide an average of 234,000 gallons per day to 879 services. See Table I for a description of each well. The surficial geologic susceptibility rating for all six wells is G. The bedrock aquifer is overlain by low permeability sediments. Permeability is a measure of the ability of a soil or sediment to transmit fluids. A complete description and geologic profile is found in the Facility Wells Report (Appendix D).

Table I

|                    | Minimum Setback (ft.) | Maximum Setback (ft.) | Status | Capacity (gpm) | Specific Capacity (gpm/MGD) | Treatment                    | Aquifer            | Well Depth (ft.) | Well Logs Available |
|--------------------|-----------------------|-----------------------|--------|----------------|-----------------------------|------------------------------|--------------------|------------------|---------------------|
| Well #1<br>(60207) | 200                   | No                    | A      | 80<br>0.115    |                             | Aer.,<br>Filt.,<br>Chl., Fl. | Shallow<br>Bedrock | 285              | Yes                 |
| Well #2<br>(60269) | 200                   | No                    | A      | 35<br>0.050    |                             | Same                         | Same               | 319              |                     |
| Well #3<br>(60208) | 200                   | No                    | A      | 85<br>0.122    |                             | Same                         | Same               | 319              | Yes                 |
| Well #4<br>(60209) | 200                   | No                    | A      | 70<br>0.104    |                             | Chl., Fl.                    | Same               | 314              | Yes                 |
| Well #5<br>(60210) | 200                   | No                    | A      | 90<br>0.132    |                             | Same                         | Same               | 335              | Yes                 |
| Well #6<br>(60211) | 200                   | No                    | A      | 75<br>0.108    | 0.6                         | Same                         | Same               | 335              | Yes                 |

A - Active

## GROUNDWATER SAMPLING AND MONITORING HISTORY

The Steeleville public water wells were sampled on January 22, 1987 as part of a Statewide Groundwater Monitoring Program. The samples were analyzed for inorganic chemicals (IOC) and volatile organic/aromatic compounds (VOC/VOA).

VOC/VOA analyses did not detect quantifiable levels of any organic compounds. IOC analyses indicate that most parameters are consistent with other shallow sandstone aquifers in Illinois (Appendix E).

## WELL SITE SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory that relate information about potential contamination sources, routes and possible problem sites to public water supply well(s). The location of the potential sources, routes, possible problem sites, minimum setback zones and the 1,000 ft. survey area are all displayed on the aerial photographic map (Appendix B).

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages inventory units within and bordering a 1,000 foot radius of the wellhead. A unit is defined as "any device, mechanism, equipment, or area (exclusive of land utilized only for agricultural production)" (See Groundwater Primer pg. 19). The Agency 5-digit well number is associated with a map code or unit, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (Primer pages 18-19). Each unit or map code is then described and associated with an owner/address. In addition, the distance and direction from the wellhead is indicated.

## Results and Findings

The Steeleville well site survey was conducted on July 26, 1990 by Wade Boring from the Agency's Springfield Office. The following describes the results and findings for the Steeleville public water wells.

### Steeleville Well #1 (IEPA #60207)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are six possible problem sites within 1,500 feet of Well #1. They are below ground fuel storage (map code 3) 1,350 ft. NW, American Device Mfg. Co. (map code 5) 1,400 Ft. WNW, Schemonic Bros. Garage (map code 8) 1,100 ft. WSW, a former gas station (map code 9) 1,240 ft. WSW, Gilster - Mary Lee (map code 11) 700 ft. E and a closed gas station (map code 19) 1,260 ft. SE.

### Steeleville Well #3 (IEPA #60208)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are five possible problem sites within 1,500 feet of #3. They are Niederbrach Truck Service (map code 10) 1,200 ft. NNW, Gilster - Mary Lee (map code 11) 250 ft. E, Hucks (map code 16) 1,200 ft. SE, Sunoco (map code 17) 1,360 ft. SE and a closed gas station (map code 19) 1,050 ft. SE.

#### Steeleville Well #4 (IEPA #60209)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are eight possible problem sites within 1,500 feet of Well #4. They are Yesley Service Co. (map code 1) 650 ft. N, below ground fuel storage (map code 3) 100 ft. S, Egyptian Electric Co-op (map code 4) 500 ft. WSW, American Device Mfg. Co. (map code 5) 500 ft. SSW, Brockhorn Motor Sales (map code 6) 1,100 ft. SW, Schemonic Bros. Garage (map code 8) 1,200 ft. S, a former gas station (map code 9) 1,250 ft. S and Niederbrach Truck Service (map code 10) 1,300 ft. NE.

#### Steeleville Well #2 (IEPA #60269)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are eight possible problem sites within 1,500 feet of Well #2. They are Gilster - Mary Lee (map code 11) 300 ft. W, below ground fuel storage (map code 12) 1,500 ft. NE, IDOT (map code 14) 900 ft. NE, a former gas station (map code 15) 1,370 ft. SE, Hucks (map code 16) 1,100 ft. SSW, Sunoco (map code 17) 1,200 ft. SSW, the Village Maintenance Building (map code 18) 1,400 ft. S and a closed gas station (map code 19) 1,360 ft. SW.

#### Steeleville Well #5 (IEPA #60210)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are three possible problem sites within 1,500 feet of Well #5. They are IDOT (map code 14) 1,400 ft. NNW, a former gas station (map code 15) 900 ft. W and the sewage treatment plant (map code 20) 1,300 ft. S.

#### Steeleville Well #6 (IEPA #60211)

The survey area is mostly urban. The area is a mixture of residential and commercial with some light industrial. There are three possible problem sites within 1,500 feet of Well #6. They are below ground fuel storage (map code 12) 670 Ft. SW, Gilster - Mary Lee (map code 13) 500 ft. SSE and IDOT (map code 14) 1,300 ft. SW.

#### SUMMARY AND RECOMMENDATIONS

The well site survey conducted indicates that there are potential sources/sites that could pose a hazard to groundwater utilized by the Steeleville public water wells.

- One site with above ground bulk fuel storage; Yesley Service Co.
- Three abandoned and/or former gas stations.
- Eleven sites with below ground fuel storage; Yesley Service Co., Egyptian Electrical Co-op, American Device Mfg. Co., Brockhorn Motor, Niederbrach Truck Service, Gilster - Mary Lee, Hucks, Sunoco, the Village Maintenance Shed and two unmarked buildings.

- The sewage treatment plant.

The Illinois Environmental Protection Act provides minimum protection zones for your wells. These minimum protection zones are regulated by the IEPA. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the controls would then be assumed by local officials through adoption of a maximum setback zone ordinance.

Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination up to a distance of 1,000 feet from the wellhead. In addition, a maximum setback zone could expand the regulatory coverage of certain new and existing activities. These controls could be implemented upon the adoption of proposed regulations by the Illinois Pollution Control Board.

The Agency strongly urges Steeleville to consider establishing maximum setback zones for its wells. The Agency has prepared a "Maximum Setback Zone Workbook" which provides detailed case studies of how to establish a maximum setback zone. Technical assistance is available from the Agency and the Illinois State Water Survey.

## TECHNICAL APPENDICES



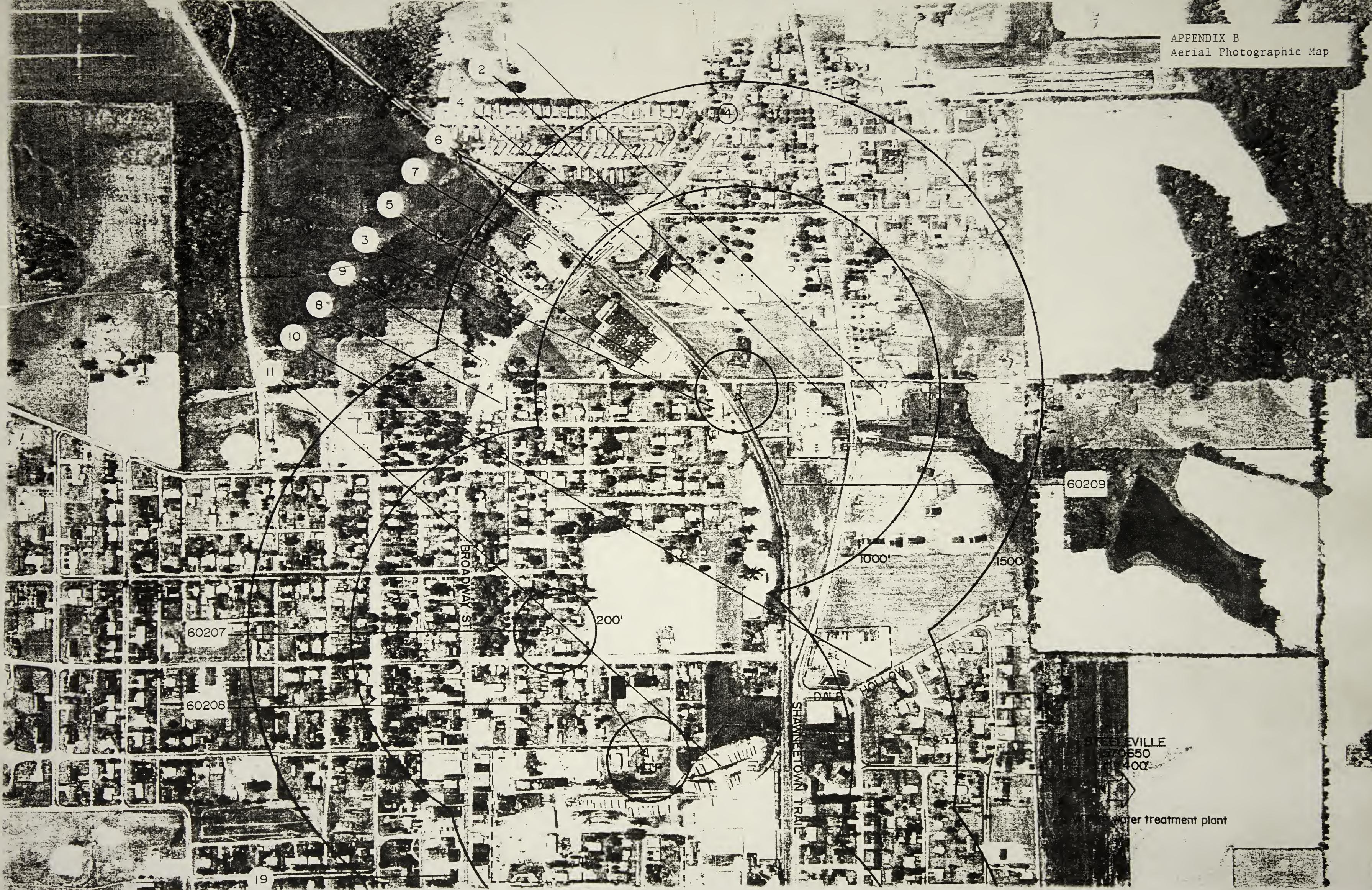
APPENDIX A  
Topographic Map Displaying  
Steeleville Well Locations





APPENDIX B  
Aerial Photographic Map





APPENDIX: B1 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #1 (IEPA #60207)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 West Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60207

WELL NAME & DESC.: Well #1

TREATMENT APPLICATION POINT: 01

FACILITY NO. & NAME: 1570650 - Steeleville

FAC. PHONE NUMBER:

LOCATION:

TWP, RNG, SECTION, 10 ACRE PLOT:

6S, 5W, 16, 7E

DISTANCE FROM CORNER: 2200S, 1275E

QUAD SHEET CODE & NAME: 252C - Steeleville

MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low permeability sediments.

AGE OF WELL (DATE WELL CONSTRUCTION): 1935

WELL DEPTH: 285 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer

MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The area is a mixture of residential, commercial and some light industrial.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

NB:jas/3073n,7

APPENDIX: B1 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #1 (IEPA #60207)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60207-01

NAME & ADDRESS OF UNIT OWNER: Yesley Service Co., Inc., 600 Shawneetown Trail, Steeleville, Illinois 62288 618/965-9435

DESCRIPTION AND COMMENTS: Above ground bulk fuel, below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1800 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60207-02

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Electrical substation

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1500 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60207-03

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1350 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60207-04

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op, Inc., 1005 W. Broadway, Steeleville, Illinois 62288 618/965-3434

DESCRIPTION AND COMMENTS: Electric company with transformer storage and below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1800 ft. WNW

WELL NO. - MAP CODE - CLASSF\*: 60207-05

NAME & ADDRESS OF UNIT OWNER: American Device Mfg. Co., 1003 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Mailbox and alarm manufacturing, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1400 ft. WNW

WELL NO. - MAP CODE - CLASSF\*: 60207-06

NAME & ADDRESS OF UNIT OWNER: Brockhorn Motor Sales, Inc. 1014 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Auto sales and service, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2000 ft. W

WELL NO. - MAP CODE - CLASSF\*: 60207-07

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op

DESCRIPTION AND COMMENTS: Office and garage

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1850 Ft. W

APPENDIX: B1 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #1 (IEPA #60207)

Classification (CLASSF\*) KEY

MIN. ZONE  
PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE  
OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60207-08

NAME & ADDRESS OF UNIT OWNER: Schemonic Bros. Garage, Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Auto repair shop

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1100 ft. WSW

WELL NO. - MAP CODE - CLASSF\*: 60207-09

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1240 ft. WSW

WELL NO. - MAP CODE - CLASSF\*: 60207-10

NAME & ADDRESS OF UNIT OWNER: Niederbrach Truck Service, Inc., Dale Hollow, Steeleville, Illinois 62288 618/965-3488

DESCRIPTION AND COMMENTS: Trucking company with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1550 ft. NNE

WELL NO. - MAP CODE - CLASSF\*: 60207-11

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, 705 N. Sparta, Steeleville, Illinois 62288 618/965-3485

DESCRIPTION AND COMMENTS: Cake mix factory with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 700 ft. E

WELL NO. - MAP CODE - CLASSF\*: 60207-12

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3300 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60207-13

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Cake mix factory

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3600 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60207-14

NAME & ADDRESS OF UNIT OWNER: Illinois Department of Transportation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Truck parking, garage and covered salt storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2600 ft. NE

APPENDIX: B1 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #1 (IEPA #60207)

Classification (CLASSF\*) KEY

| <u>MIN. ZONE</u>         | <u>OUTSIDE MIN. ZONE</u> |
|--------------------------|--------------------------|
| PP = POTENTIAL PRIMARY   | OP = POTENTIAL PRIMARY   |
| PS = POTENTIAL SECONDARY | OS = POTENTIAL SECONDARY |
| RI = POTENTIAL ROUTE     | OR = POTENTIAL ROUTE     |
| CC = CERTIFIED           | CC = CERTIFIED           |
| XI = UNKNOWN             | OX = UNKNOWN             |
| CU = CLEANUP             | CU = CLEANUP             |

WELL NO. - MAP CODE - CLASSF\*: 60207-15

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2700 ft. ESE

WELL NO. - MAP CODE - CLASSF\*: 60207-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288  
618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1550 ft. ESE

WELL NO. - MAP CODE - CLASSF\*: 60207-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1680 ft. ESE

WELL NO. - MAP CODE - CLASSF\*: 60207-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1850 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60207-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1260 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60207-20

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3800 ft. SE

APPENDIX: B2 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #3 (IEPA #60208)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 W. Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60208

WELL NAME & DESC.: Well #3

TREATMENT APPLICATION POINT: 01

FACILITY NO. & NAME: 1570650 - Steeleville

FAC. PHONE NUMBER:

LOCATION:

TWP, RNG, SECTION, 10 ACRE PLOT:

6S, 5W, 16 6F

DISTANCE FROM CORNER: 1800S, 3470W

QUAD SHEET CODE & NAME: 252C - Steeleville

MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low permeability sediments

AGE OF WELL (DATE WELL CONSTRUCTION): 1966

WELL DEPTH: 319 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer

MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The area is a mixture of residential, commercial and some light industrial.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

WB:jas/3073n,11

APPENDIX: B2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #3 (IEPA #60208)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60208-01

NAME & ADDRESS OF UNIT OWNER: Yesley Service Co., Inc., 600 Shawneetown Trail, Steeleville, Illinois 62288 618/965-9435

DESCRIPTION AND COMMENTS: Above ground bulk fuel, below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2100 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60208-02

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Electrical substation

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1700 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60208-03

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1750 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60208-04

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op, Inc., 1005 W. Broadway, Steeleville, Illinois 62288 618/965-3434

DESCRIPTION AND COMMENTS: Electric company with transformer storage and below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2300 ft. WNW

WELL NO. - MAP CODE - CLASSF\*: 60208-05

NAME & ADDRESS OF UNIT OWNER: American Device Mfg. Co., 1003 W. Broadway, Steeleville, Illinois 62288 618/965-3491

DESCRIPTION AND COMMENTS: Mailbox and alarm manufacturing, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1900 ft. W

WELL NO. - MAP CODE - CLASSF\*: 60208-06

NAME & ADDRESS OF UNIT OWNER: Brockhorn Motor Sales, Inc., 1014 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Auto sales and service, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2600 ft. WSW

WELL NO. - MAP CODE - CLASSF\*: 60208-07

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op

DESCRIPTION AND COMMENTS: Office and garage

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2500 ft. WSW

APPENDIX: B2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #3 (IEPA #60208)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60208-08

NAME & ADDRESS OF UNIT OWNER: Schemonic Bros. Garage, Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Auto repair shop

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1900 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60208-09

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2100 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60208-10

NAME & ADDRESS OF UNIT OWNER: Niederbrach Truck Service, Inc., Dale Hollow, Steeleville, Illinois 62288 618/965-3488

DESCRIPTION AND COMMENTS: Trucking company with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1200 ft. NNW

WELL NO. - MAP CODE - CLASSF\*: 60208-11

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, 705 N. Sparta, Steeleville, Illinois 62288 618/965-3485

DESCRIPTION AND COMMENTS: Cake mix factory with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 250 ft. E

WELL NO. - MAP CODE - CLASSF\*: 60208-12

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2520 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60208-13

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Cake mix factory

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2950 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60208-14

NAME & ADDRESS OF UNIT OWNER: Illinois Department of Transportation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Truck parking, garage and covered salt storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2200 ft. NE

APPENDIX: B2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #3 (IEPA #60208)

Classification (CLASSF\*) KEY

MIN. ZONE  
PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE  
OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

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WELL NO. - MAP CODE - CLASSF\*: 60208-15

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2150 Ft. SE

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WELL NO. - MAP CODE - CLASSF\*: 60208-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288

618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1200 ft. SE

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WELL NO. - MAP CODE - CLASSF\*: 60208-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1360 ft. SE

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WELL NO. - MAP CODE - CLASSF\*: 60208-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1550 ft. SE

---

WELL NO. - MAP CODE - CLASSF\*: 60208-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1050 ft. SE

---

WELL NO. - MAP CODE - CLASSF\*: 60208-20

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3500 ft. SE

---

APPENDIX: B3 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #4 (IEPA #60209)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 W. Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60209  
WELL NAME & DESC.: Well #4  
TREATMENT APPLICATION POINT: 02  
FACILITY NO. & NAME: 1570650 - Steeleville  
FAC. PHONE NUMBER:

LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:  
6S, 5W, 16, 8G

DISTANCE FROM CORNER: 1250S, 50E  
QUAD SHEET CODE & NAME: 252C - Steeleville  
MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low  
permeability sediments

AGE OF WELL (DATE WELL CONSTRUCTION): 1974  
WELL DEPTH: 314 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer  
MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The  
area is a mixture of residential, commercial and some light industrial.  
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

WB:jas/3073n,15

APPENDIX: B3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #4 (IEPA #60209)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

---

WELL NO. - MAP CODE - CLASSF\*: 60209-01-OS

NAME & ADDRESS OF UNIT OWNER: Yesley Service Co., Inc., 600 Shawneetown Trail, Steeleville, Illinois 62288 618/965-9435

DESCRIPTION AND COMMENTS: Above ground bulk fuel, below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 650 ft. N

---

WELL NO. - MAP CODE - CLASSF\*: 60209-02

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Electrical substation

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 300 ft. N

---

WELL NO. - MAP CODE - CLASSF\*: 60209-03-XI

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 100 ft. S

---

WELL NO. - MAP CODE - CLASSF\*: 60209-04-OS

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op, Inc., 1005 W. Broadway, Steeleville, Illinois 62288 618/965-3434

DESCRIPTION AND COMMENTS: Electric company with transformer storage and below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 500 ft. WSW

---

WELL NO. - MAP CODE - CLASSF\*: 60209-05-OX

NAME & ADDRESS OF UNIT OWNER: American Device Mfg. Co., 1003 W. Broadway, Steeleville, Illinois 62288 618/965-3491

DESCRIPTION AND COMMENTS: Mailbox and alarm manufacturing, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 500 ft. SSW

---

WELL NO. - MAP CODE - CLASSF\*: 60209-06

NAME & ADDRESS OF UNIT OWNER: Brockhorn Motor Sales, Inc., 1014 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Auto sales and service, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1100 ft. SW

---

WELL NO. - MAP CODE - CLASSF\*: 60209-07

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op

DESCRIPTION AND COMMENTS: Office and garage

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1200 ft. SW

---

APPENDIX: B3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #4 (IEPA #60209)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60209-08

NAME & ADDRESS OF UNIT OWNER: Schemonic Bros. Garage, Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Auto repair shop

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1200 ft. S

WELL NO. - MAP CODE - CLASSF\*: 60209-09

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1250 ft. S

WELL NO. - MAP CODE - CLASSF\*: 60209-10

NAME & ADDRESS OF UNIT OWNER: Niederbrach Truck Service, Inc., Dale Hollow, Steeleville, Illinois 62288 618/965-3488

DESCRIPTION AND COMMENTS: Trucking company with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1300 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60209-11

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, 705 N. Sparta, Steeleville, Illinois 62288 618/965-3485

DESCRIPTION AND COMMENTS: Cake mix factory with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1800 ft. E

WELL NO. - MAP CODE - CLASSF\*: 60209-12

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3900 ft. NE

WELL NO. - MAP CODE - CLASSF\*: 60209-13

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Cake mix factory

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4600 ft. ENE

WELL NO. - MAP CODE - CLASSF\*: 60209-14

NAME & ADDRESS OF UNIT OWNER: Illinois Department of Transportation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Truck parking, garage and covered salt storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4000 ft. E

APPENDIX: B3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #4 (IEPA #60209)

Classification (CLASSF\*) KEY

| <u>MIN. ZONE</u>         | <u>OUTSIDE MIN. ZONE</u> |
|--------------------------|--------------------------|
| PP = POTENTIAL PRIMARY   | OP = POTENTIAL PRIMARY   |
| PS = POTENTIAL SECONDARY | OS = POTENTIAL SECONDARY |
| RI = POTENTIAL ROUTE     | OR = POTENTIAL ROUTE     |
| CC = CERTIFIED           | CC = CERTIFIED           |
| XI = UNKNOWN             | OX = UNKNOWN             |
| CU = CLEANUP             | CU = CLEANUP             |

WELL NO. - MAP CODE - CLASSF\*: 60209-15

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway Street, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3900 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60209-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288

618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2950 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60209-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3100 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60209-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3250 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60209-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2600 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60209-20

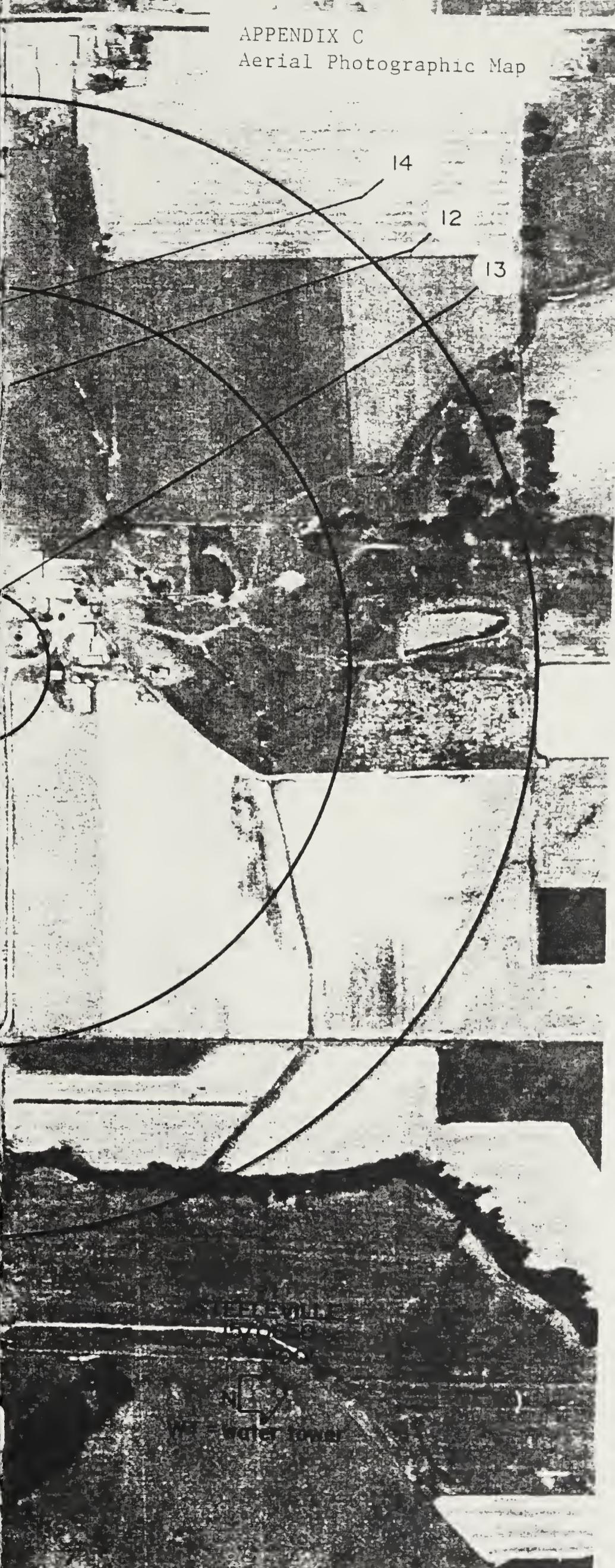
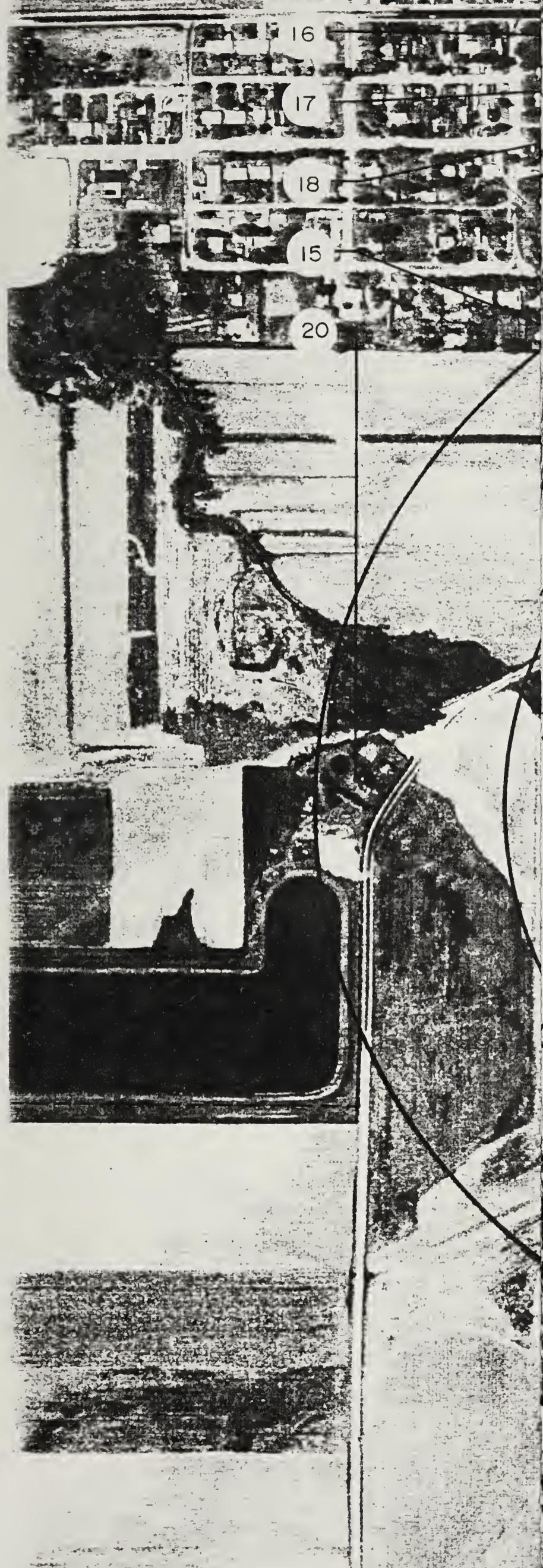
NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

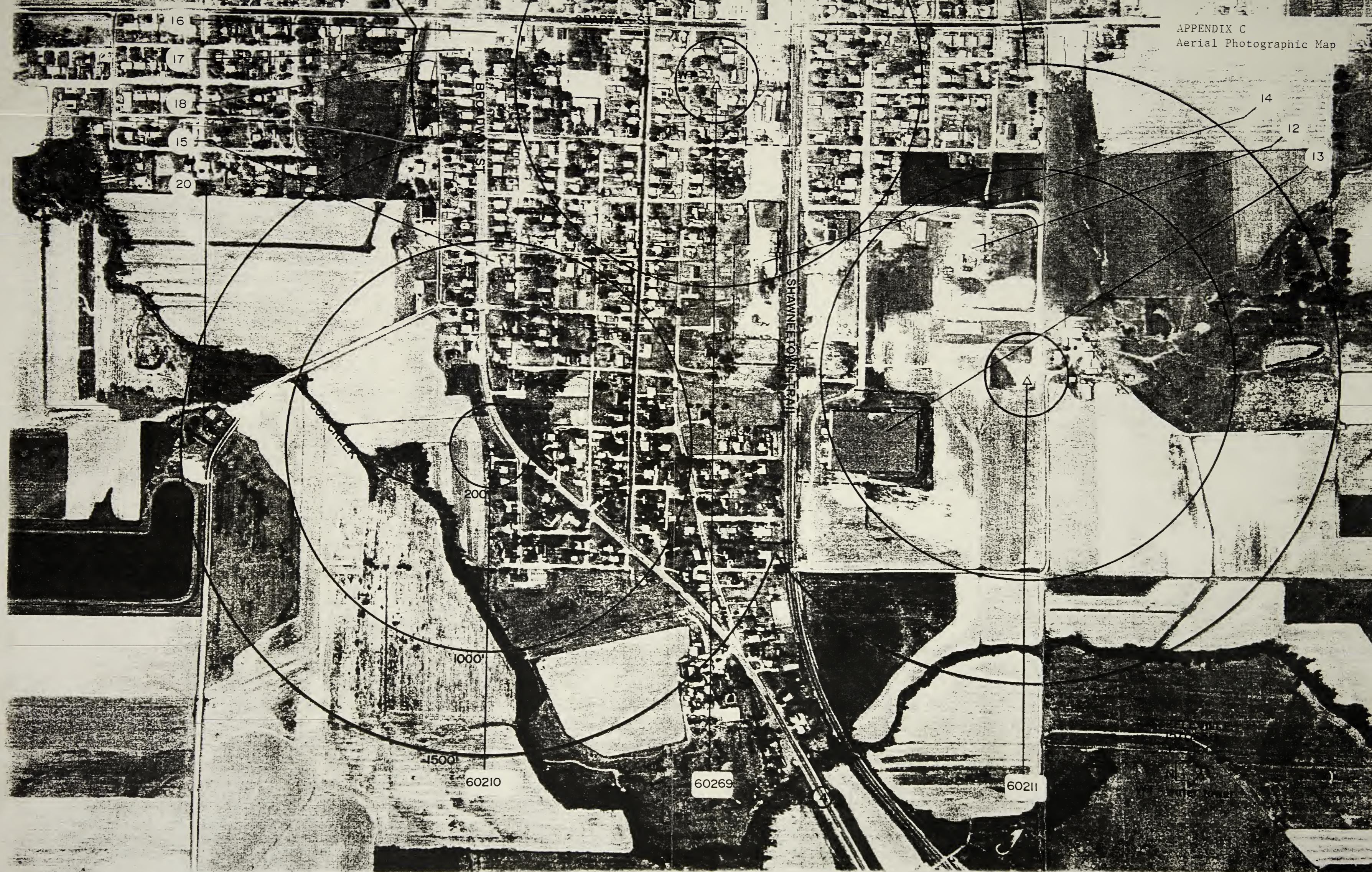
PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5000ft. SE

APPENDIX C  
Aerial Photographic Map



APPENDIX C  
Aerial Photographic Map



APPENDIX: C1 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #2 (IEPA #60269)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 W. Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60269  
WELL NAME & DESC.: Well #2  
TREATMENT APPLICATION POINT: 01  
FACILITY NO. & NAME: 1570650 - Steeleville  
FAC. PHONE NUMBER:

LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:

6S, 5W, 16, 4F

DISTANCE FROM CORNER: 3700N, 2400W

QUAD SHEET CODE & NAME: 252C - Steeleville

MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low  
permeability sediments.

AGE OF WELL (DATE WELL CONSTRUCTION): 1945

WELL DEPTH: 319 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer

MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The  
area is a mixture of residential, commercial and some light industrial.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

WB:jas/3073n,19

APPENDIX: C1 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #2 (IEPA #60269)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60269-15

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1370 ft. SE

WELL NO. - MAP CODE - CLASSF\*: 60269-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288

618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1100 ft. SSW

WELL NO. - MAP CODE - CLASSF\*: 60269-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1200 ft. SSW

WELL NO. - MAP CODE - CLASSF\*: 60269-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1400 ft. S

WELL NO. - MAP CODE - CLASSF\*: 60269-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1360 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60269-20

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3000 ft. SE

APPENDIX: C2 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #5 (IEPA #60210)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 W. Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60210  
WELL NAME & DESC.: Well #5  
TREATMENT APPLICATION POINT: 03  
FACILITY NO. & NAME: 1570650 - Steeleville  
FAC. PHONE NUMBER:

LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:

6S, 5W, 16, 1E

DISTANCE FROM CORNER: 2600S, 590W  
QUAD SHEET CODE & NAME: 252C - Steeleville

MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low  
permeability sediments.

AGE OF WELL (DATE WELL CONSTRUCTION): 1975

WELL DEPTH: 335 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer

MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The  
area is a mixture of residential, commercial and some light industrial.  
INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

WB:jas/3073n,23

APPENDIX: C2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #5 (IEPA #60210)

Classification (CLASSF\*) KEY

MIN. ZONE  
PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE  
OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60210-01

NAME & ADDRESS OF UNIT OWNER: Yesley Service Co., Inc., 600 Shawneetown Trail, Steeleville, Illinois 62288 618/965-9435

DESCRIPTION AND COMMENTS: Above ground bulk fuel, below ground fuel storage, assumed greater than 500 gallons

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5000 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-02

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Electrical substation

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4700 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-03

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4800 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-04

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op, Inc., 1005 W. Broadway, Steeleville, Illinois 62288 618/965-3434

DESCRIPTION AND COMMENTS: Electric company with transformer storage and below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5200 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-05

NAME & ADDRESS OF UNIT OWNER: American Device Mfg. Co., 1003 W. Broadway, Steeleville, Illinois 62288 618/965-3491

DESCRIPTION AND COMMENTS: Mailbox and alarm manufacturing, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5000 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-06

NAME & ADDRESS OF UNIT OWNER: Brockhorn Motor Sales, Inc., 1014 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Auto sales and service, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5300 ft. WNW

WELL NO. - MAP CODE - CLASSF\*: 60210-07

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op

DESCRIPTION AND COMMENTS: Office and garage

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5200 ft. WNW

APPENDIX: C2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #5 (IEPA #60210)

Classification (CLASSF\*) KEY

MIN. ZONE  
PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE  
OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60210-08

NAME & ADDRESS OF UNIT OWNER: Schemonic Bros. Garage, Broadway, Steeleville, Illinois 62288  
DESCRIPTION AND COMMENTS: Auto repair shop

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4700 ft. W

WELL NO. - MAP CODE - CLASSF\*: 60210-09

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288  
DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4850 ft. W

WELL NO. - MAP CODE - CLASSF\*: 60210-10

NAME & ADDRESS OF UNIT OWNER: Niederbrach Truck Service, Inc., Dale Hollow, Steeleville, Illinois 62288 618/965-3488

DESCRIPTION AND COMMENTS: Trucking company with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3940 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-11

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, 705 N. Sparta, Steeleville, Illinois 62288 618/965-3485

DESCRIPTION AND COMMENTS: Cake mix factory with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2500 ft. NW

WELL NO. - MAP CODE - CLASSF\*: 60210-12

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2540 ft. NNW

WELL NO. - MAP CODE - CLASSF\*: 60210-13

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Cake mix factory

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1690 ft. N

WELL NO. - MAP CODE - CLASSF\*: 60210-14

NAME & ADDRESS OF UNIT OWNER: Illinois Department of Transportation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Truck parking, garage and covered salt storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1400 ft. NNW

APPENDIX: C2 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #5 (IEPA #60210)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

---

WELL NO. - MAP CODE - CLASSF\*: 60210-15-0X

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 900 ft. W

---

WELL NO. - MAP CODE - CLASSF\*: 60210-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288  
618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2000 ft. W

---

WELL NO. - MAP CODE - CLASSF\*: 60210-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1900 ft. WSW

---

WELL NO. - MAP CODE - CLASSF\*: 60210-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1820 ft. SW

---

WELL NO. - MAP CODE - CLASSF\*: 60210-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2370 ft. WSW

---

WELL NO. - MAP CODE - CLASSF\*: 60210-20

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1300 ft. S

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APPENDIX: C3 WELL SITE SURVEY SUMMARY DESCRIPTION AND GEOLOGIC PROFILE  
STEELEVILLE WELL #6 (IEPA #60211)

SURVEYOR: W. Boring  
SURVEY DATE: 7/26/90

ADDRESS:  
Village Hall  
107 W. Broadway  
Steeleville, Illinois 62288

AGENCY WELL NO: 60211  
WELL NAME & DESC.: Well #6  
TREATMENT APPLICATION POINT: 04  
FACILITY NO. & NAME: 1570650 - Steeleville  
FAC. PHONE NUMBER:

LOCATION:  
TWP, RNG, SECTION, 10 ACRE PLOT:

6S, 5W, 16, 2H

DISTANCE FROM CORNER: 84S, 961W

QUAD SHEET CODE & NAME: 252C - Steeleville

MIN. SETBACK: 200 ft.

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: G - Bedrock overlain by low  
permeability sediments

AGE OF WELL (DATE WELL CONSTRUCTION): 1980

WELL DEPTH: 335 ft.

AQUIFER CODE: 2020 - Shallow bedrock aquifer

MULTIPLE AQUIFER (Y, N): No

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: Survey area is mostly urban. The  
area is a mixture of residential, commercial and some light industrial.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO.:

WB:jas/3073n,27

APPENDIX: C3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #6 (IEPA #60211)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

---

WELL NO. - MAP CODE - CLASSF\*: 60211-01

NAME & ADDRESS OF UNIT OWNER: Yesley Service Co., Inc., 600 Shawneetown Trail, Steeleville, Illinois 62288 618/965-9435

DESCRIPTION AND COMMENTS: Above ground bulk fuel, below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4350 ft. WSW

---

WELL NO. - MAP CODE - CLASSF\*: 60211-02

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Electrical substation

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4200 ft. WSW

---

WELL NO. - MAP CODE - CLASSF\*: 60211-03

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4550 ft. SW

---

WELL NO. - MAP CODE - CLASSF\*: 60211-04

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op, Inc., 1005 W. Broadway, Steeleville, Illinois 62288 618/965-3434

DESCRIPTION AND COMMENTS: Electric company with transformer storage and below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5000 ft. SW

---

WELL NO. - MAP CODE - CLASSF\*: 60211-05

NAME & ADDRESS OF UNIT OWNER: American Device Mfg. Co., 1003 W. Broadway, Steeleville, Illinois 62288 618/965-3491

DESCRIPTION AND COMMENTS: Mailbox and alarm manufacturing, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4800 ft. SW

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WELL NO. - MAP CODE - CLASSF\*: 60211-06

NAME & ADDRESS OF UNIT OWNER: Brockhorn Motor Sales, Inc., 1014 W. Broadway, Steeleville, Illinois 62288 618/965-3419

DESCRIPTION AND COMMENTS: Auto sales and service, below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5400 ft. SW

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WELL NO. - MAP CODE - CLASSF\*: 60211-07

NAME & ADDRESS OF UNIT OWNER: Egyptian Electric Co-Op

DESCRIPTION AND COMMENTS: Office and garage

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5400 ft. SW

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APPENDIX: C3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #6 (IEPA #60211)

Classification (CLASSF\*) KEY

MIN. ZONE  
PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE  
OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60211-08

NAME & ADDRESS OF UNIT OWNER: Schemonic Bros. Garage, Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Auto repair shop

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5000 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-09

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 5100 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-10

NAME & ADDRESS OF UNIT OWNER: Niederbrach Truck Service, Inc., Dale Hollow, Steeleville, Illinois 62288 618/965-3488

DESCRIPTION AND COMMENTS: Trucking company with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3150 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-11

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, 705 N. Sparta, Steeleville, Illinois 62288 618/965-3485

DESCRIPTION AND COMMENTS: Cake mix factory with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2200 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-12-0X

NAME & ADDRESS OF UNIT OWNER: Unknown

DESCRIPTION AND COMMENTS: Unmarked building with below ground fuel storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 670 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-13

NAME & ADDRESS OF UNIT OWNER: Gilster - Mary Lee Corporation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Cake mix factory

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 500 ft. SSE

WELL NO. - MAP CODE - CLASSF\*: 60211-14

NAME & ADDRESS OF UNIT OWNER: Illinois Department of Transportation, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Truck parking, garage and covered salt storage.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 1300 ft. SW

APPENDIX: C3 INVENTORY AND SYNOPSIS OF UNITS STEELEVILLE WELL #6 (IEPA #60211)

Classification (CLASSF\*) KEY

MIN. ZONE

PP = POTENTIAL PRIMARY  
PS = POTENTIAL SECONDARY  
RI = POTENTIAL ROUTE  
CC = CERTIFIED  
XI = UNKNOWN  
CU = CLEANUP

OUTSIDE MIN. ZONE

OP = POTENTIAL PRIMARY  
OS = POTENTIAL SECONDARY  
OR = POTENTIAL ROUTE  
CC = CERTIFIED  
OX = UNKNOWN  
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF\*: 60211-15

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Former gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 2700 ft. SSW

WELL NO. - MAP CODE - CLASSF\*: 60211-16

NAME & ADDRESS OF UNIT OWNER: Hucks, Route 4 and Sparta, Steeleville, Illinois 62288

618/382-2334

DESCRIPTION AND COMMENTS: Convenience store with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3100 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-17

NAME & ADDRESS OF UNIT OWNER: Sunoco, Broadway and Sparta, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Service station with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3200 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-18

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Maintenance building with below ground fuel storage assumed greater than 500 gallons.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3300 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-19

NAME & ADDRESS OF UNIT OWNER: Unknown, Broadway St., Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Closed gas station

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 3350 ft. SW

WELL NO. - MAP CODE - CLASSF\*: 60211-20

NAME & ADDRESS OF UNIT OWNER: Village of Steeleville, Village Hall, 107 W. Broadway, Steeleville, Illinois 62288

DESCRIPTION AND COMMENTS: Sewage treatment plant, NPDES #IL0031241.

PRE OR POST (Y,N): Y

DISTANCE AND DIRECTION: 4000 ft. S

## APPENDIX D



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
FACILITY WELLS REPORT

REPORT: PWGWP053  
MODULE: PWGMI027

PAGE: 14  
DATE: 12/17/90

FACILITY: 1570650 STEELEVILLE

OWNER

G.W. ZACHEIS  
VILLAGE HALL

107 WEST BROADWAY

STEELEVILLE

IL 62288

..... OFFICIAL CUSTODIAN .....

TYRONE MILLINS

WATER SUPERINTENDENT

107 WEST BROADWAY

STEELEVILLE IL 62288

WELL: 60207 WELL 1-CORNER CHARLES AND JAMES STS  
LATITUDE: N38 00 28.0 STATUS: ACTIVE  
LONGITUDE: W089 39 49.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 205  
TWP: 068 RNG: 05W SEC: 16 PLOT: 1E

MINIMUM SETBACK(FT): 0200 \*\*\*

WELL: 60208 WELL 3-NW CORNER OF WTP BUILDING  
LATITUDE: N38 00 34.0 STATUS: ACTIVE  
LONGITUDE: W089 39 33.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 319  
TWP: 068 RNG: 05W SEC: 16 PLOT: 6F

WELL: 60209 WELL 4-E SIDE WEST STREET-JUST N/MON-PAC  
LATITUDE: N38 00 38.0 STATUS: ACTIVE  
LONGITUDE: W089 40 03.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 314  
TWP: 068 RNG: 05W SEC: 16 PLOT: 8G

MINIMUM SETBACK(FT): 0200 \*\*\*

WELL: 60210 WELL 5-S SIDE RT 150-INT N/PERCY AVE  
LATITUDE: N38 00 24.0 STATUS: ACTIVE  
LONGITUDE: W089 39 07.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 335  
TWP: 068 RNG: 05W SEC: 16 PLOT: 1E

MINIMUM SETBACK(FT): 0200 \*\*\*

WELL: 60211 WELL 6-100 FT E/MULBERRY-8  
LATITUDE: N38 00 50.0 STATUS: ACTIVE  
LONGITUDE: W089 39 10.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 335  
TWP: 068 RNG: 05W SEC: 16 PLOT: 2H

MINIMUM SETBACK(FT): 0200 \*\*\*

WELL: 60269 WELL 2-GREEN JUST N OF 0.05 MG ELEV TANK  
LATITUDE: N38 00 35.0 STATUS: ACTIVE  
LONGITUDE: W089 39 28.0

SUSCEPTIBILITY - LAND BURIAL: G  
AQUIFERS: PENNSYLVANIAN SYSTEM

DEPTH(FT): 319  
TWP: 068 RNG: 05W SEC: 16 PLOT: 4F

MINIMUM SETBACK(FT): 0200 \*\*\*

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
FACILITY WELLS REPORT

REPORT: PHGWP053  
MODULE: PHGWM027

PAGE: 15  
DATE: 12/17/90

FACILITY: 157065n STEELEVILLE

SUSCEPTIBILITY CODES  
LAND BURIAL: G = RELATIVELY IMPERMEABLE BEDROCK WITHIN 20 TO 50 FT OF SURFACE, OVERLAIN BY TILL OR OTHER FINE-  
GRAINED MATERIALS.

LAND SPREADING: D2 = UNIFORM, RELATIVELY IMPERMEABLE SILTY OR CLAYEY TILL AT LEAST 20 FT THICK; NO EVIDENCE OF  
INTERBEDDED SAND AND GRAVEL.

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## APPENDIX E



FACILITY: 1570650 STEELEVILLE

TAP: RAW SRC: 60269 WELL 2-GREEN JUST N OF 0.05 MG ELEV TANK

STATUS: A

STATUS: A

SAMPLE NO: 2000122 LOCATION: WELL

COLLECTOR: TEPA SMPL COLLECTOR

COMMENTS:

SMPL PRGR: 1-GWM INORG OBSRVATNS:

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCV'D: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
SMPL PERIOD: 01/87 FUND CODE:

ANALYSIS RSLT NO NO DESCRIPTION

| ANALYSIS | RSLT | NO  | NO    | STORAGE                      |                   |                        | RESULT | UNITS   | DRINK WTR | RAW WTR  | LEVEL | TRIGGER |
|----------|------|-----|-------|------------------------------|-------------------|------------------------|--------|---------|-----------|----------|-------|---------|
|          |      |     |       | DESCRIPTION                  | NO                | NO                     |        |         |           |          |       |         |
|          |      | 001 | 00610 | NITROGEN,AMMONIA TOTAL       | MG/L              | AS N                   |        | 0.390   |           |          |       |         |
|          |      | 002 | 00630 | NITRATE & NITRITE TOTAL      | MG/L              | AS N                   |        | 0.100   | <         | 10.000   |       |         |
|          |      | 003 | 00665 | PHOSPHORUS, TOTAL            | MG/L              | AS P                   |        | 0.010   | <         |          |       |         |
|          |      | 004 | 00120 | CYANIDE, TOTAL               | MG/L              | AS CN                  |        | 0.010   | <         | 0.200    |       |         |
|          |      | 005 | 00916 | CALCIUM, TOTAL RECOVERABLE   | MG/L              | AS CA ANAL BY ICP      |        | 46.000  |           |          |       |         |
|          |      | 006 | 00927 | MAGNESIUM, TOTAL RECOVERABLE | MG/L              | AS CA ANAL BY ICP      |        | 14.000  |           |          |       |         |
|          |      | 007 | 00929 | SODIUM, TOTAL RECOVERABLE    | MG/L              | AS NA ANAL BY ICP      |        | 60.000  |           |          |       |         |
|          |      | 008 | 00937 | POTASSIUM, TOTAL RECOVERABLE | MG/L              | AS K ANAL BY ICP       |        | 2.000   |           |          |       |         |
|          |      | 009 | 00940 | CHLORIDE, TOTAL              | MG/L              | AS CL                  |        | 21.000  |           |          |       |         |
|          |      | 010 | 00945 | SULFATE, TOTAL               | MG/L              | AS SO4                 |        | 10.000  |           |          |       |         |
|          |      | 011 | 00951 | FLUORIDE, TOTAL              | MG/L              | AS F                   |        | 0.140   |           | 4.000    |       |         |
|          |      | 012 | 00956 | SILICA, TOTAL                | MG/L              | AS SI02                |        | 10.000  |           |          |       |         |
|          |      | 013 | 01002 | ARSENIC, TOTAL RECOVERABLE   | UG/L              | AS AS                  |        | 1.000   | <         | 50.000   |       |         |
|          |      | 014 | 01007 | BARIUM, TOTAL RECOVERABLE    | UG/L              | AS BA ANAL BY ICP      |        | 170.000 |           | 1000.000 |       |         |
|          |      | 015 | 01012 | BERYLLIUM, TOTAL RECOVERABLE | UG/L              | AS BE ANAL BY ICP      |        | 0.500   | <         |          |       |         |
|          |      | 016 | 01022 | BORON, TOTAL RECOVERABLE     | UG/L              | AS B ANAL BY ICP       |        | 50.000  |           |          |       |         |
|          |      | 017 | 01027 | CADMIUM, TOTAL RECOVERABLE   | UG/L              | AS CD ANAL BY ICP      |        | 3.000   | <         | 10.000   |       |         |
|          |      | 018 | 01034 | CHROMIUM, TOTAL RECOVERABLE  | UG/L              | AS CR ASCR ANAL BY ICP |        | 5.000   | <         | 50.000   |       |         |
|          |      | 019 | 01037 | COBALT, TOTAL RECOVERABLE    | UG/L              | AS CO ANAL BY ICP      |        | 5.000   | <         |          |       |         |
|          |      | 020 | 01042 | COPPER, TOTAL RECOVERABLE    | UG/L              | AS CU ANAL BY ICP      |        | 5.000   | <         | 5000.000 |       |         |
|          |      | 021 | 01045 | IRON, TOTAL RECOVERABLE      | UG/L              | AS FE ANAL BY ICP      |        | 302.000 |           | 1000.000 |       |         |
|          |      | 022 | 01051 | LEAD, TOTAL RECOVERABLE      | UG/L              | AS PB                  |        | 5.000   | <         | 50.000   |       |         |
|          |      | 023 | 01055 | MANGANESE, TOTAL RECOVERABLE | UG/L              | AS MN ANAL BY ICP      |        | 5.000   | <         | 150.000  |       |         |
|          |      | 024 | 01067 | NICKEL, TOTAL RECOVERABLE    | UG/L              | AS NI ANAL BY ICP      |        | 5.000   | <         |          |       |         |
|          |      | 025 | 01077 | SILVER, TOTAL RECOVERABLE    | UG/L              | AS AG ANAL BY ICP      |        | 3.000   | <         |          |       |         |
|          |      | 026 | 01082 | STRONTIUM, TOTAL RECOVERABLE | UG/L              | AS SR ANAL BY ICP      |        | 402.000 |           |          |       |         |
|          |      | 027 | 01087 | VANADIUM, TOTAL RECOVERABLE  | UG/L              | AS V ANAL BY ICP       |        | 5.000   | <         |          |       |         |
|          |      | 028 | 01092 | ZINC, TOTAL RECOVERABLE      | UG/L              | AS ZN ANAL BY ICP      |        | 50.000  | <         | 5000.000 |       |         |
|          |      | 029 | 01105 | ALUMINUM, TOTAL RECOVERABLE  | UG/L              | AS AL ANAL BY ICP      |        | 50.000  | <         |          |       |         |
|          |      | 030 | 01147 | SELENIUM, TOTAL RECOVERABLE  | UG/L              | AS SE                  |        | 1.000   | <         | 10.000   |       |         |
|          |      | 031 | 32730 | PHENOLS, TOTAL               | RECOVERABLE       | UG/L                   |        |         |           |          |       |         |
|          |      | 032 | 70300 | RESIDUE, TOTAL               | FILTERABLE        | 2180 CMG/L             |        | 325.000 |           |          |       |         |
|          |      | 033 | 71900 | MERCURY, TOTAL               | UG/L              | AS HG                  |        | 0.050   | <         | 2.000    |       |         |
|          |      | 034 | 00010 | WATER TEMPERATURE            | DEG C             |                        |        |         |           |          |       |         |
|          |      | 025 | 00059 | FLOW (PUMPING) RATE          | GAL/MIN           |                        |        |         |           |          |       |         |
|          |      | 035 | 00090 | OXIDATION-REDUCTION          | POTENTIAL (EH)    | MILLIVOLTS             |        |         |           |          |       |         |
|          |      | 037 | 00095 | CONDUCTIVITY (EC)            | -LAB(CMMHS/CM)    | 3 25 C                 |        |         |           |          |       |         |
|          |      | 038 | 00400 | PH PH UNITS                  |                   |                        |        |         |           |          |       |         |
|          |      | 039 | 72004 | FLOW (PUMPING) TIME          | PRIOR TO SAMPLING | MIN                    |        |         |           |          |       |         |
|          |      | 040 | 72019 | DEPTH FROM LAND SURFACE      | TC                | WATER SURFACE          |        |         |           |          |       |         |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

PORT: PWGWP48  
PDATE: PWGWM025

FACILITY: 1570650 STEELEVILLE

\*\*\* CONTINUED \*\*\*

0000001 041 90410

FACILITY: 1570650 STEELEVILLE  
TAP: 01 WATER TREATMENT PLANT  
RAW SRCE: 602C7 WELL 1-CORNER CHARLES AND JAMES STS

SAMPLE NO: 2000118 LOCATION: WELL  
SMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR  
SMPL PURP: 5-SPEC/OTHR COMMENTS:  
SMPL PROG: I-GWM INORG OBSRVTNS:

ANALYSIS RSLT ----- STORET-----  
ID NO NO DESCRIPTION

| ANALYSIS | RSLT | STORET | UNITS   | RESULT   | DRINK WTR | RAW WTR | LEVEL |
|----------|------|--------|---|----------|-----------|---------|-------|
| 0000001  | 001  | 00610  | MG/L  | 0.480    |           |         |       |
| 0000001  | 002  | 00630  | NITRATE & NITRITE TOTAL MG/L AS N                   | 0.100 <  |           |         |       |
| 0000001  | 003  | 00665  | PHOSPHORUS, TOTAL MG/L AS P                         | 0.010 <  |           |         |       |
| 0000001  | 004  | 00720  | CYANIDE, TOTAL MG/L AS CN                           | 0.010 <  | 0.200     |         |       |
| 0000001  | 005  | 00916  | CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP   | 40.000   |           |         |       |
| 0000001  | 006  | 00927  | MAGNESIUM, TOTAL RECOVERABLE MG/L AS MG ANAL BY ICP | 13.000   |           |         |       |
| 0000001  | 007  | 00929  | SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP    | 70.000   |           |         |       |
| 0000001  | 008  | 00937  | POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  | 2.000    |           |         |       |
| 0000001  | 009  | 00940  | CHLORIDE, TOTAL MG/L AS CL                          | 22.000   |           |         |       |
| 0000001  | 010  | 00945  | SULFATE, TOTAL MG/L AS SO4                          | 10.000 < |           |         |       |
| 0000001  | 011  | 00951  | FLUORIDE, TOTAL MG/L AS F                           | 0.150    |           |         |       |
| 0000001  | 012  | 00955  | SILICA, TOTAL MG/L AS SiO2                          | 10.000   |           |         |       |
| 0000001  | 013  | 01002  | ARSENIC, TOTAL RECOVERABLE UG/L AS AS               | 1.000 <  | 50.000    |         |       |
| 0000001  | 014  | 01007  | BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP    | 267.000  |           |         |       |
| 0000001  | 015  | 01012  | BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP | 0.500 <  |           |         |       |
| 0000001  | 016  | 01022  | BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP      | 50.000 < |           |         |       |
| 0000001  | 017  | 01027  | CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP   | 3.000 <  | 10.000    |         |       |
| 0000001  | 018  | 01034  | CHROMIUM, TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICP  | 5.000 <  | 50.000    |         |       |
| 0000001  | 019  | 01037  | COBALT, TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP    | 5.000 <  |           |         |       |
| 0000001  | 020  | 01042  | COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP    | 247.000  |           |         |       |
| 0000001  | 021  | 01045  | IRON, TOTAL RECOVERABLE, UG/L AS FeANAL BY ICP      | 5.000 <  |           |         |       |
| 0000001  | 022  | 01051  | LEAD, TOTAL RECOVERABLE UG/L AS Pb                  | 5.000 <  |           |         |       |
| 0000001  | 023  | 01055  | MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP | 5.000 <  |           |         |       |
| 0000001  | 024  | 01067  | NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP    | 5.000 <  |           |         |       |
| 0000001  | 025  | 01077  | SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP    | 3.000 <  | 50.000    |         |       |
| 0000001  | 026  | 01082  | STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP | 370.000  |           |         |       |
| 0000001  | 027  | 01087  | VANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP   | 5.000 <  |           |         |       |
| 0000001  | 028  | 01092  | ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP      | 50.000 < | 5000.000  |         |       |
| 0000001  | 029  | 01105  | ALUMINUM, TOTAL RECOVERABLE UG/L AS Al ANAL BY ICP  | 50.000 < |           |         |       |
| 0000001  | 030  | 01147  | SELENIUM, TOTAL RECOVERABLE UG/L AS Se ANAL BY ICP  | 1.000 <  | 10.000    |         |       |
| 0000001  | 031  | 32730  | PHENOLS, TOTAL RECOVERABLE UG/L                     | 5.000 <  |           |         |       |
| 0000001  | 032  | 70300  | RESIDUE, TOTAL FILTERABLE @180 C, MG/L              | 366.000  |           |         |       |
| 0000001  | 033  | 71900  | MERCURY, TOTAL UG/L AS HG                           | 0.050 <  | 2.000     |         |       |
| 0000001  | 034  | 00010  | WATER TEMPERATURE DEG C                             | 15.500   |           |         |       |
| 0000001  | 035  | 00059  | FLOW (PUMPING) RATE GAL/MIN                         | 75.000   |           |         |       |
| 0000001  | 036  | 00030  | OXIDATION-REDUCTION POTENTIAL (Eh) MILLIVOLTS       | 75.000-  |           |         |       |

PAGE: 121  
DATE: 12/18/90

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PWGWP048  
MODULE: PWGWM026

PAGE: 122  
DATE: 12/10/90

FACILITY: 1570650 STEELVILLE

\*\*\* CONTINUED \*\*\*

SAMPLE NO: 00095 CONDUCTIVITY(EC)-LAB(CUMMHS/CM) 225 C  
SMPL TYPE: RAW  
SMPL PGRP: I-ROUTINE  
SMPL PROG: I-GWM INORG OBSRVATNS:  
NO: 040 DEPTH FROM LAND SURFACE TO WATER SURFACE  
041 90410 209.000

LOCATION: WELL #1  
COLLECTOR: W STERNBERG  
COMMENTS:

ANALYSIS RSLT -----STORET-----  
10 NO NJ DESCRIPTION

| ANALYSIS | RSLT   | NO | NJ | DESCRIPTION | UNITS   | RESULT | DRINK WTR | RAW WTR | LEVEL |
|----------|--|----|----|-------------|---------|--------|-----------|---------|-------|
| 00095    | CONDUCTIVITY(EC)-LAB(CUMMHS/CM) 225 C              |    |    |             | 590.000 |        |           |         |       |
| 00403    | PH LABORATORY UNITS                                |    |    |             | 7.800   |        |           |         |       |
| 00410    | ALKALINITY TOTAL MG/L AS CACO3                     |    |    |             | 275.000 |        |           |         |       |
| 00610    | NITROGEN,AMMONIA TOTAL MG/L AS N                   |    |    |             | 0.510   |        |           |         |       |
| 00630    | NITRATE & NITRITE TOTAL MG/L AS N                  |    |    |             | 0.100   | <      | 10.000    |         |       |
| 00720    | CYANIDE TOTAL MG/L AS CN                           |    |    |             | 0.005   | <      | 0.200     |         |       |
| 00900    | HARDNESS,EDTA MG/L AS CACO3                        |    |    |             | 152.000 |        |           |         |       |
| 00915    | CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP   |    |    |             | 42.000  |        |           |         |       |
| 00927    | MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP |    |    |             | 13.600  |        |           |         |       |
| 00929    | SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP    |    |    |             | 76.000  |        |           |         |       |
| 00937    | POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  |    |    |             | 1.500   |        |           |         |       |
| 00940    | CHLORIDE,TOTAL MG/L AS CL                          |    |    |             | 23.000  |        |           |         |       |
| 00945    | SULFATE,TOTAL MG/L AS SO4                          |    |    |             | 10.000  |        |           |         |       |
| 00951    | FLUORIDE,TOTAL MG/L AS F                           |    |    |             | 0.100   | <      | 4.000     |         |       |
| 00956    | SILICA,TOTAL MG/L AS SiO2                          |    |    |             | 11.000  |        |           |         |       |
| 01002    | ARSENIC,TOTAL RECOVERABLE UG/L AS AS               |    |    |             | 1.000   | <      | 50.000    |         |       |
| 01007    | BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP    |    |    |             | 298.000 |        | 1000.000  |         |       |
| 01012    | BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP |    |    |             | 0.500   | <      |           |         |       |
| 01022    | ARON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP       |    |    |             | 30.000  |        |           |         |       |
| 01027    | CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB   |    |    |             | 3.000   | <      | 10.000    |         |       |
| 01034    | CHROMIUM,TOTAL RECOVERABLE UG/L AS CR ANAL BY ICB  |    |    |             | 5.000   | <      | 50.000    |         |       |
| 01037    | COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICB    |    |    |             | 5.000   | <      |           |         |       |
| 01042    | COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP    |    |    |             | 3.000   | <      | 5000.000  |         |       |
| 01045    | IRON,TOTAL RECOVERABLE UG/L AS FE ANAL BY ICP      |    |    |             | 250.000 |        | 1000.000  |         |       |
| 01051    | LEAD,TOTAL RECOVERABLE UG/L AS PB                  |    |    |             | 5.000   | <      | 50.000    |         |       |
| 01055    | MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP |    |    |             | 5.000   | <      | 150.000   |         |       |
| 01067    | NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP    |    |    |             | 3.000   | <      |           |         |       |
| 01077    | SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP    |    |    |             | 5.000   | <      | 30.000    |         |       |
| 01082    | STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP |    |    |             | 380.000 |        |           |         |       |
| 01087    | YANADIUM,TOTAL RECOVERABLE UG/L AS Y ANAL BY ICP   |    |    |             | 4.000   | <      |           |         |       |
| 01092    | ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP      |    |    |             | 13.000  |        | 5000.000  |         |       |
| 01147    | SELENIUM,TOTAL RECOVERABLE UG/L AS SE              |    |    |             | 1.000   | <      | 10.000    |         |       |
| 70300    | RESIDUE,TOTAL FILTERABLE 3180 C, MG/L              |    |    |             | 330.000 |        | 350.000   |         |       |
| 70304    | TOTAL DISSOLVED SOLIDS MG/L AS EC                  |    |    |             | 0.120   |        | 2.000     |         |       |
| 71902    | HEPCUR,TOTAL UG/L AS HG                            |    |    |             |         |        |           |         |       |

SAMPLE NO: 7000117 LOCATION: WELL

COLL DATE: 01/22/87 DELIVERED BY:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT #: PHGWP048  
MODULE: PHGWMC26

FACILITY: 1570650 STEELVILLE

SAMPL TYPE: RAW  
SAMPL PURP: S-SPEC/OTHER  
SAMPL PROG: V-VOC  
COLLECTOR: IEPA SMPL COLLECTOR  
COMMENTS:  
OBSRVATNS:

\*\*\* CONTINUED \*\*\*

LAB RCV'D: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
SMPL PERIOD: 01/87 FUND CODE:

ANALYSIS RSLT ----- STORET-----  
IN NO NO DESCRIPTION

0000001 001 32101 BROMODICHLOROMETHANE UG/L GC/MS  
0000001 002 32102 CARBON TETRACHLORIDE UG/L GC/MS  
0000001 003 32103 1,2-DICHLOROETHANE UG/L  
0000001 004 32104 BROMOFORM UG/L GC/MS  
0000001 005 32105 DIBROMOCHLOROMETHANE UG/L GC/MS  
0000001 006 32106 CHLOROFORM UG/L GC/MS  
0000001 007 34010 TOLUENE UG/L  
0000001 008 34030 BENZENE UG/L  
0000001 009 34301 CHLOROBENZENE UG/L  
0000001 010 34371 ETHYLBENZENE UG/L  
0000001 011 34423 METHYLENE CHLORIDE UG/L  
0000001 012 34475 TETRACHLOROETHYLENE UG/L GC/MS  
0000001 013 34496 1,1-DICHLOROETHANE UG/L GC/MS  
0000001 014 34501 1,1-DICHLOROETHYLENE UG/L GC/MS  
0000001 015 34506 1,1,1-TRICHLOROETHANE UG/L GC/MS  
0000001 016 34546 TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS  
0000001 017 39180 TRICHLOROETHYLENE UG/L  
0000001 018 00010 WATER TEMPERATURE DEG C  
0000001 019 00059 FLOW (PUMPING) RATE GAL/MIN  
0000001 020 00090 OXIDATION-REDUCTION POTENTIAL (EHD) MILLIVOLTS  
0000001 021 00095 CONDUCTIVITY(EC)-LABCMHOES/CM a 25 C  
0000001 022 00400 PH PH UNITS  
0000001 023 72004 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN  
0000001 024 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE  
0000001 025 90413

FACILITY: 1570650 STEELVILLE  
TAP: 01 WATER TREATMENT PLANT  
RAW SRCE: 6C208 WELL 3-NW CORNER OF WTP BUILDING

SAMPLE NO: 2000120 LOCATION: WELL  
SAMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR  
SAMPL PURP: S-SPEC/OTHER COMMENTS:  
SAMPL PROG: I-GWM INORG OBSRVATNS:

ANALYSIS RSLT ----- STORET-----  
IN NO NO DESCRIPTION

0000001 001 00610 NITROGEN,AMMONIA TOTAL MG/L AS N  
0000001 002 00630 NITRATE & NITRITE TOTAL MG/L AS N  
0000001 003 00665 PHOSPHORUS TOTAL MG/L AS P  
0000001 004 00720 CYANIDE TOTAL MG/L AS CN  
0000001 005 00915 CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP

----- STANDARDS ----- TRIGGER  
UNITS DRINK WTR RAW WTR LEVEL

10  
11 1.000 <  
12 1.000 < 5.000  
13 1.000 < 5.000  
14 1.000 <  
15 1.000 <  
16 1.000 <  
17 1.000 <  
18 1.000 <  
19 1.000 <  
20 1.000 <  
21 1.000 <  
22 1.000 <  
23 1.000 <  
24 1.000 < 7.000  
25 1.000 < 200.000  
26 1.000 <  
27 1.000 < 5.000  
28 15.500  
29 75.000-  
30 450.000  
31 7.200  
32 45.000  
33 172.000  
34 289.000  
35  
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----- STANDARDS ----- TRIGGER  
UNITS DRINK WTR RAW WTR LEVEL

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCV'D: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
SMPL PERIOD: 01/87 FUND CODE:

ANALYSIS RSLT ----- STORET-----  
IN NO NO DESCRIPTION

0.520  
0.100 < 10.000  
0.010 <  
0.010 < 0.200  
40.000

**FACILITY:** 1570650 STEELVILLE

\*\*\* CONTINUED \*\*\*

ANALYSIS ID RESULT NO NO DESCRIPTION

| ANALYSIS |    | RESULTS | UNITS                                      | RESULT  |
|----------|----|---------|--|---------|
| ID       | NO | NO      | DESCRIPTION                                |         |
| 00035    |    |         | CONDUCTIVITY(EC)-LAB(CUMHOS/CH à 25 °C)    | 590.000 |
| 00403    |    |         | PH LABORATORY UNITS                        | 7.900   |
| 00410    |    |         | ALKALINITY TOTAL MG/L AS CACO <sub>3</sub> | 281.000 |
| 00610    |    |         | NITROGEN AMMONIA TOTAL MG/L AS N           | 0.580   |
| 00630    |    |         | NITRATE & NITRITE TOTAL MG/L AS N          | 0.100   |
| 00720    |    |         | CYANIDE, TOTAL MG/L AS CN                  | 0.005   |

LAB COMPL: 03/83      SMPL PERIOD: 03/83      LAB SUPERVISOR: FUND CODE: -----STANDARDS----- TRIGGER

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PGHWP043  
MODULE: PGHWM026

FACILITY: 1570650 STEELEVILLE  
1  
2  
3

\*\*\* CONTINUED \*\*\*

00900 HARDNESS.ÉDITA MG/L AS CACO<sub>3</sub> 151.000  
00916 CALCIUM.TOTAL RÉCOVERABLE MG/L AS CA ANAL BY ICP 39.000  
00927 MAGNÉSIUM.TOTAL RÉCOVERABLE MG/L AS CA ANAL BY ICP 12.900  
00929 SODIUM.TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP 72.000  
00937 POTASSIUM.TOTAL RECOVERABLE MG/L AS K ANAL BY ICP 3.000  
00940 CHLORIDE.TOTAL MG/L AS CL 24.000  
00945 SULFATE.TOTAL MG/L AS SO<sub>4</sub> 11.000  
0C951 FLUORIDE.TOTAL MG/L AS F 0.130  
00956 SILICA.TOTAL MG/L AS SiO<sub>2</sub> 4.000  
01002 ARSENIC.TOTAL RECOVERABLE UG/L AS AS 11.000  
01007 BARIUM.TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP 1.000 < 50.000  
01012 BERYLLIUM.TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP 299.000 < 1000.000  
01022 BORON.TOTAL RECOVERABLE UG/L AS B ANAL BY ICP 0.500 <  
01027 CADMIUM.TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICB 50.000  
01034 CHROMIUM.TOTAL RECOVERABLE UG/L AS CR ANAL BY ICB 3.000 < 10.000  
01037 COBALT.TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP 5.000 < 50.000  
01042 COPPER.TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP 4.000 < 5000.000  
01045 IRON.TOTAL RECOVERABLE UG/L AS FE ANAL BY ICP 270.000 < 1000.000  
01051 LEAD.TOTAL RECOVERABLE UG/L AS Pb 5.000 < 50.000  
01055 MANGANESE.TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP 5.000 < 150.000  
01067 NICKEL.TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP 3.000 <  
01077 SILVER.TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP 5.000 < 50.000  
01082 STRONTIUM.TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP 363.000  
01087 VANADIUM.TOTAL RECOVERABLE UG/L AS V ANAL BY ICP 4.000 <  
01092 ZINC.TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP 7.000 < 5000.000  
01147 SELENIUM.TOTAL RECOVERABLE UG/L AS SE 1.000 < 10.000  
70300 RESIDUE.TOTAL FILTERABLE 2180 C, MG/L 326.000  
70304 TOTAL DISSOLVED SOLIDS MG/L BY EC 350.000  
71900 MERCURY.TOTAL UG/L AS HG 0.050 < 2.000

SAMPLE NO: Z000113 LOCATION: WELL  
SMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR  
SMPL PURP: 5-SPEC/OTHr COMMENTS: OBSRVATNS:  
SMPL PROG: V-VOC

ANALYSIS RSLT -----STORED-----  
ID NO NO DESCRIPTION

0000001 C01 32101 AROMODICHLOROMETHANE UG/L GC/MS  
0000001 C02 32102 CARBON TETRACHLORIDE UG/L GC/MS  
0000001 C03 32103 1,2-DICHLOROETHANE UG/L  
0000001 C04 32104 BROMOFORM UG/L GC/MS  
0000001 C05 32105 DIBROMOCHLOROMETHANE UG/L GC/MS  
0000001 C06 32106 CHLOROFORM UG/L GC/MS  
0000001 C07 34010 TOLUENE UG/L  
0000001 C08 34030 BENZENE UG/L  
0000001 C09 34301 CHLOROBENZENE UG/L  
0000001 C10 34371 ETHYL BENZENE UG/L  
0000001 C11 34423 METHYLENE CHLORIDE UG/L  
0000001 C12 34475 TETRACHLOROETHYLENE UG/L GC/MS

COLL DATE: 01/22/87  
LAB RCVD: 00/00/00  
LAB COMPL: 00/00/00  
SMPL PERIOD: 01/87  
FUND CODE:

-----STANDARDS-----  
UNITS RESULT DRINK WTR RAW WTR LEVEL

41 1.000 <  
42 1.000 < 5.000  
43 1.000 < 5.000  
44 1.000 <  
45 1.000 <  
46 1.000 <  
47 1.000 <  
48 1.000 < 5.000  
49 1.000 <  
50 1.000 <  
51 1.000 <  
52 1.000 <  
53 1.000 <  
54 1.000 <  
55 1.000 <  
56 1.000 <  
57 1.000 <

PAGE: 125  
DATE: 12/18/90

FACILITY: 1570650 STEELEVILLE

FACILITY: 1570650 STEELEVILLE

CONTINUÉ

|         |     |       |                            |                |                       |
|---------|-----|-------|----------------------------|----------------|-----------------------|
| 0000001 | 013 | 34496 | 1,1-DICHLOROETHANE         | UG/L           | GC/MS                 |
| 0000001 | 014 | 34501 | 1,1-DICHLOROETHYLENE       | UG/L           | GC/MS                 |
| 0000001 | 015 | 34506 | 1,1,1-TRICHLOROETHANE      | UG/L           | GC/MS                 |
| 0000001 | 016 | 34546 | TRANS-1,2-DICHLOROETHYLENE | UG/L           | GC/MS                 |
| 0000001 | 017 | 39180 | TRICHLOROETHYLENE          | UG/L           |                       |
| 0000001 | 018 | 00010 | WATER TEMPERATURE          | DEG C          |                       |
| 0000001 | 019 | 00059 | FLOW (PUMPING)             | RATE           | GAL/MIN               |
| 0000001 | 020 | 00090 | OXIDATION-REDUCTION        | POTENTIAL      | (Eh) MILLIVOLTS       |
| 0000001 | 021 | 00095 | CONDUCTIVITY(CEC)          | -LAB(CUMHDS/CM | at 25 C               |
| 0000001 | 022 | 00400 | PH PH UNITS                |                |                       |
| 0000001 | 023 | 72094 | FLOW (PUMPING)             | TIME           | PRIOR TO SAMPLING MIN |
|         |     | 024   |                            |                |                       |

| FACILITY: |       | 1570650 | STEELVILLE | STATUS:              |
|-----------|-------|---------|------------|----------------------|
| TAD:      | 02    | WELL    | 4-E SIDE   | WEST                 |
| RAW SPCE: | 60209 | WELL    | 4-E SIDE   | WEST                 |
|           |       |         |            | ST/JUST N/MO-PAC RR  |
|           |       |         |            | STREET-JUST N/MO-PAC |

| SAMPLE NO:  | 2000124      | LOCATION:  | WELL |
|-------------|--------------|------------|------|
| SAMPL TYPE: | RAW          | COLLECTOR: | IEPÁ |
| SAMPL PURP: | 5-SPEC/OTH'R | COMMENTS:  |      |
| SAMPL PROG: | 1-6MM INNRG  | REMARKS:   |      |

ANALYSTS RS LT -----STORES-----  
IN NO NO NO NO

RESULT DRINK HTR RAW WTR LEVEL

|      |       |                              |      |                     |
|------|-------|------------------------------|------|---------------------|
| 0001 | 00610 | NITROGEN, AMMONIA TOTAL      | MG/L | AS N                |
| 0001 | 002   | NITRATE & NITRITE TOTAL      | MG/L | AS N                |
| 0001 | 003   | PHOSPHORUS, TOTAL            | MG/L | AS P                |
| 0001 | 004   | CYANIDE, TOTAL               | MG/L | AS CN               |
| 0001 | 005   | CALCIUM, TOTAL RECOVERABLE   | MG/L | AS CA ANAL BY ICP   |
| 0001 | 006   | MAGNESIUM, TOTAL RECOVERABLE | MG/L | AS CA ANAL BY ICP   |
| 0001 | 007   | SODIUM, TOTAL RECOVERABLE    | MG/L | AS CA ANAL BY ICP   |
| 0001 | 008   | POTASSIUM, TOTAL RECOVERABLE | MG/L | AS NA ANAL BY ICP   |
| 0001 | 009   | CHLORIDE, TOTAL              | MG/L | AS K ANAL BY ICP    |
| 0001 | 010   | SULFATE, TOTAL               | MG/L | AS CL               |
| 0001 | 011   | FLUORIDE, TOTAL              | MG/L | AS F                |
| 0001 | 012   | SILICA, TOTAL                | MG/L | AS SiO <sub>2</sub> |
| 0001 | 013   | SILICA, TOTAL                | MG/L | AS SiO <sub>2</sub> |
| 0001 | 014   | ARSENIC, TOTAL RECOVERABLE   | UG/L | AS AS               |
| 0001 | 015   | BARIUM, TOTAL RECOVERABLE    | UG/L | AS Ba ANAL BY ICP   |
| 0001 | 016   | BERYLLIUM, TOTAL RECOVERABLE | UG/L | AS Be ANAL BY ICP   |
| 0001 | 017   | BORON, TOTAL RECOVERABLE     | UG/L | AS B ANAL BY ICP    |
| 0001 | 018   | CADMIUM, TOTAL RECOVERABLE   | UG/L | AS Cd ANAL BY ICP   |
| 0001 | 019   | CHROMIUM, TOTAL RECOVERABLE  | UG/L | AS Cr ANAL BY ICP   |
| 0001 | 020   | COBALT, TOTAL RECOVERABLE    | UG/L | AS Co ANAL BY ICP   |
| 0001 | 021   | COPPER, TOTAL RECOVERABLE    | UG/L | AS Cu ANAL BY ICP   |
| 0001 | 022   | IRON, TOTAL RECOVERABLE      | UG/L | AS Fe ANAL BY ICP   |
| 0001 | 023   | LEAD, TOTAL RECOVERABLE      | UG/L | AS Pb               |
| 0001 | 024   | MANGANESE, TOTAL RECOVERABLE | UG/L | AS Mn ANAL BY ICP   |
| 0001 | 025   | NICKEL, TOTAL RECOVERABLE    | UG/L | AS Ni ANAL BY ICP   |

|         |   |         |
|---------|---|---------|
| 1.000   | < |         |
| 1.000   | < | 7.000   |
| 1.000   | < | 200.000 |
| 1.000   | < | 200.000 |
| 1.000   | < | 5.000   |
| 1.000   | < |         |
| 15.000  |   |         |
| 70.000  |   |         |
| 20.000  | - |         |
| 470.000 |   |         |
| 7.200   |   |         |
| 25.000  |   |         |
| 288.000 |   |         |

COMM: Y      TYPE: WATER: 6

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCVD: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
SHIP PERIOD: 01/07/87

| RESULT  | DRINK WTR | RAW WTR  | TRIGGER LEVEL |
|---------|-----------|----------|---------------|
| 0.510   |           |          |               |
| 0.100   | <         | 10.000   |               |
| 0.010   | <         |          |               |
| 0.010   | <         | 0.200    |               |
| 17.000  |           |          |               |
| 7.600   |           |          |               |
| 124.000 |           |          |               |
| 1.900   |           |          |               |
| 38.000  |           |          |               |
| 10.000  | <         |          |               |
| 0.180   |           | 4.000    |               |
| 8.000   |           |          |               |
| 8.000   |           |          |               |
| 1.000   | <         | 50.000   |               |
| 87.000  |           | 1000.000 |               |
| 0.500   | <         |          |               |
| 56.000  |           |          |               |
| 3.000   | <         | 10.000   |               |
| 5.000   | <         | 50.000   |               |
| 5.000   | <         |          |               |
| 5.000   | <         | 5000.000 |               |
| 35.000  |           | 1000.000 |               |
| 5.000   | <         | 50.000   |               |
| 5.000   | <         | 150.000  |               |

ADDRESS: 1570650 STEELEVILLE  
FACILITY:

\*\*\* CONTINUED \*\*\*

|         |       |   |
|---------|-------|---|
| 0000001 | 01077 | SILVER, TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP          |
| 0000001 | 01082 | STRONTIUM, TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP       |
| 0000001 | 01087 | VANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP         |
| 0000001 | 028   | ZINC, TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP            |
| 0000001 | 029   | ALUMINUM, TOTAL RECOVERABLE UG/L AS AL ANAL BY ICP        |
| 0000001 | C30   | SELENIUM, TOTAL RECOVERABLE UG/L AS SE ANAL BY ICP        |
| 0000001 | 031   | PHENOLS, TOTAL RECOVERABLE UG/L AS PH ANAL BY ICP         |
| 0000001 | 032   | RESIDUE, TOTAL FILTERABLE UG/L AS RESIDUE ANAL BY ICP     |
| 0000001 | 033   | MERCURY, TOTAL UG/L AS HG ANAL BY ICP                     |
| 0000001 | 034   | WATER TEMPERATURE DEG C ANAL BY ICP                       |
| 0000001 | 035   | FLOW (PUMPING) RATE GAL/MIN ANAL BY ICP                   |
| 0000001 | 036   | OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS ANAL BY ICP |
| 0000001 | 037   | CONDUCTIVITY (EC)-LAB CUMHOS/CM AT 25 C ANAL BY ICP       |
| 0000001 | 038   | PH PH UNITS ANAL BY ICP                                   |
| 0000001 | 039   | FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN ANAL BY ICP     |
| 0000001 | 040   | DEPTH FROM LAND SURFACE TO WATER SURFACE ANAL BY ICP      |
| 0000001 | 041   |   |
| 0000001 | 042   |   |

| SAMPLE NO.: | LOCATION:              |
|-------------|------------------------|
| 8028969     | WELL #4                |
| SMPL TYPE:  | RAW                    |
| SMPL PURP.: | 1-ROUTINE              |
| SMPL PROG.: | 1-GMM INORG OBSERVATNS |
|             | COMMENTS:              |

ANALYSIS IN STORET NO NO DESCRIPTION

| CONDUCTIVITY (EC)-LAB CUMMOS/CM à 25 C |                   |  |          |
|--|-------------------|--|----------|
| PH LABORATORY UNITS                    | UNITS             | TEST                                     | RESULT   |
| 00095                                  | ALKALINITY        | TOTAL MG/L AS CACO <sub>3</sub>          | 690.000  |
| 00403                                  | ALKALINITY        | TOTAL MG/L AS CACO <sub>3</sub>          | 7.800    |
| 00410                                  | ALKALINITY        | TOTAL MG/L AS CACO <sub>3</sub>          | 298.000  |
| 00610                                  | NITROGEN, AMMONIA | TOTAL MG/L AS N                          | 0.100 <  |
| 00630                                  | NITRATE & NITRITE | TOTAL MG/L AS N                          | 0.100 <  |
| 00720                                  | CYANIDE           | TOTAL MG/L AS CN                         | 0.005 <  |
| 00900                                  | HARNESS, EDTA     | TOTAL MG/L AS CACO <sub>3</sub>          | 0.200    |
| 00915                                  | CALCIUM           | TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP | 17.000   |
| 00927                                  | MAGNESIUM         | TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP | 8.300    |
| 00929                                  | SODIUM            | TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP | 134.000  |
| 00937                                  | POTASSIUM         | TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  | 2.100    |
| 00940                                  | CHLORIDE          | TOTAL MG/L AS CL                         | 49.000   |
| 00945                                  | SULFATE           | TOTAL MG/L AS SO <sub>4</sub>            | 10.000 < |
| 00951                                  | FLUORIDE          | TOTAL MG/L AS F                          | 1.160 <  |
| 00956                                  | SILICA            | TOTAL MG/L AS SiO <sub>2</sub>           | 4.000    |
| 01002                                  | ARSENIC           | TOTAL RECOVERABLE UG/L AS AS             | 1.000 <  |
| 01007                                  | BARIUM            | TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP | 202.000  |
| 01012                                  | BERYLLIUM         | TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP | 0.500 <  |
| 01022                                  | BORON             | TOTAL RECOVERABLE UG/L AS B ANAL BY ICP  | 80.000   |
| 01027                                  | CADMIUM           | TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICB | 3.000 <  |
| 01034                                  | CHROMIUM          | TOTAL RECOVERABLE UG/L AS CR ANAL BY ICB | 5.000 <  |
| 01037                                  | COBALT            | TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP | 5.000 <  |
| 01042                                  | COPPER            | TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP | 3.000 <  |
| 01065                                  | IRON, TOTAL       | RECOVERABLE UG/L AS FEANAL BY ICP        | 5000.000 |
|  |                   |  | 150.000  |

55 56 57

FACILITY: 1570650 STEELVILLE

\*\*\* CONTINUED \*\*\*

|       |                              |      |         |     |
|-------|------------------------------|------|---------|-----|
| 11051 | LEAD, TOTAL RECOVERABLE      | UG/L | AS      | PB  |
| 11055 | MANGANESE, TOTAL RECOVERABLE | UG/L | AS      | MN  |
| 11067 | NICKEL, TOTAL RECOVERABLE    | UG/L | AS      | NI  |
| 11077 | SILVER, TOTAL RECOVERABLE    | UG/L | AS      | AG  |
| 11082 | STRONTIUM, TOTAL RECOVERABLE | UG/L | AS      | SR  |
| 11087 | VANADIUM, TOTAL RECOVERABLE  | UG/L | ASV     | ANA |
| 11092 | ZINC, TOTAL RECOVERABLE      | UG/L | AS      | ZN  |
| 11147 | SELENIUM, TOTAL RECOVERABLE  | UG/L | ASSE    |     |
| 03000 | RESIDUE, TOTAL FILTERABLE    | 3180 | C, MG/L |     |
| 03004 | TOTAL DISSOLVED SOLIDS       | MG/L | BY      | EC  |
| 11900 | MERCURY, TOTAL               | UG/L | AS      | HG  |

| SAMPLE NO:  | LOCATION:     | WELL           |
|-------------|---------------|----------------|
| SAMPL TYPE: | COLLECTOR:    | TEPA           |
| SAMPL PURP: | COMMENTS:     | SMPL COLLECTOR |
| SMPL PROG:  | OBSERVATIONS: |                |
| 2000123     |               |                |
| RAW         |               |                |
| 5-SPEC/OTH  |               |                |
| V-VOC       |               |                |

ANALYSIS RSLT STORET NO NO DESCRIPTION

|         |       |     |                            |               |                     |
|---------|-------|-----|----------------------------|---------------|---------------------|
| 0000001 | 32101 | 001 | BROMODICHLOROMETHANE       | UG/L          | CG/MS               |
| 0000001 | 32102 | 002 | CARBON TETRACHLORIDE       | UG/L          | CG/MS               |
| 0000001 | 32103 | 003 | 1,2-DICHLOROETHANE         | UG/L          | CG/MS               |
| 0000001 | 32104 | 004 | BROMOFORM                  | UG/L          | CG/MS               |
| 0200001 | 32105 | 005 | DIAROMOCHLOROMETHANE       | UG/L          | GC/MS               |
| 0000001 | 32106 | 006 | CHLOROFORM                 | UG/L          | GC/MS               |
| 0000001 | 34010 | 007 | TOLUENE                    | UG/L          |                     |
| 0000001 | 34010 | 008 | BENZENE                    | UG/L          |                     |
| 0300001 | 34301 | 009 | CHLOROBENZENE              | UG/L          |                     |
| 0200001 | 34371 | 010 | ETHYL BENZENE              | UG/L          |                     |
| 0000001 | 34423 | 011 | METHYLENE CHLORIDE         | UG/L          |                     |
| 0000001 | 34475 | 012 | TETRACHLOROETHYLENE        | UG/L          | GC/MS               |
| 0000001 | 34496 | 013 | 1,1-DICHLOROETHANE         | UG/L          | GC/MS               |
| 0000001 | 34501 | 014 | 1,1-DICHLOROETHYLÉNE       | UG/L          | GC/MS               |
| 0000001 | 34506 | 015 | 1,1,1-TRICHLOROETHANE      | UG/L          | GC/MS               |
| 0000001 | 34546 | 016 | TRANS-1,2-DICHLOROETHYLÉNE | UG/L          |                     |
| 0002001 | 39180 | 017 | TRICHLOROETHYLENE          | UG/L          |                     |
| 0000001 | 00010 | 018 | WATER TEMPERATURE          | DEG C         |                     |
| 0000001 | 00059 | 019 | FLOW (PUMPING) RATE        | GAL/MIN       |                     |
| 0000001 | 00090 | 020 | OXIDATION-REDUCTION        | POTENTIAL     | (E <sub>CEC</sub> ) |
| 0000001 | 00095 | 021 | CONDUCTIVITY (EC)          | -LAB(CUMHOSS) | CM <sup>-1</sup>    |
| 0000001 | 00400 | 022 | PH PH UNITS                |               |                     |
| 0000001 | 72004 | 023 | FLOW (PUMPING) TIME        | PRIOR TO SAM  |                     |
| 0000001 | 72019 | 024 | DEPTH FROM LAND SURFACE    | TO WATER      |                     |
| 0000001 | 90410 | 025 |                            |               |                     |

|         |   |          |
|---------|---|----------|
| 5.000   | < | 50.000   |
| 5.000   | < | 150.000  |
| 3.000   | < |          |
| 5.000   | < | 50.000   |
| 288.000 |   |          |
| 4.000   | < |          |
| 25.000  |   | 5000.000 |
| 1.000   | < | 10.000   |
| 451.000 |   |          |
| 410.000 |   |          |

|               |          |                  |  |
|---------------|----------|------------------|--|
| COLL. DATE:   | 01/22/87 | DELIVERED BY:    |  |
| LAB. RCV'D:   | 00/00/00 | RECEIVED BY:     |  |
| LAB. COMPL.:  | 00/00/00 | LAB. SUPERVISOR: |  |
| SMPL. PERSON: | 01/61    | END CONC:        |  |

-----STANDARDS----- TRIGGER  
RESIN T DRINK WIR PAW WIP EWE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PGWMP048  
MODULE: PGWM026

FACILITY: 1570650 STEELEVILLE  
TAP: 03 WELL-5-S SIDE RT 150 AT INT W/PERCY AVE  
RAW SPEC: 60210 WELL 5-S SIDE RT 150-INT W/PERCY AVE

SAMPLE NO: ZC00116 LOCATION: WELL  
SAMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR  
SAMPL PURP: 5-SPEC/OTHER COMMENTS:  
SAMPL PROG: I-GWM INORG OBSRVATNS:

STATUS: A  
STATUS: A  
STATUS: A

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCVD: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
SMPL PERIOD: 01/87 FUND CODE:

ANALYSIS RSLT -----STORED-----  
ID NO DESCRIPTION

| ANALYSIS ID | NO  | DESCRIPTION  | UNITS    | RESULT   | STANDARDS | TRIGGER LEVEL |
|-------------|-----|--|----------|----------|-----------|---------------|
| 0000001     | 001 | 00610 NITROGEN,AMMONIA TOTAL MG/L AS N                   | 0.0340   | 0.0340   | 0.000     | 0.000         |
| 0000001     | 002 | 00630 NITRATE & NITRITE TOTAL MG/L AS N                  | 0.0110   | 0.0110   | 10.000    | 10.000        |
| 0000001     | 003 | 00655 PHOSPHORUS TOTAL MG/L AS P                         | 0.010 <  | 0.010 <  | 0.000     | 0.000         |
| 0000001     | 004 | 00720 CYANIDE TOTAL MG/L AS CN                           | 0.010 <  | 0.010 <  | 0.200     | 0.200         |
| 0000001     | 005 | 00916 CALCIUM TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP   | 47.000   | 47.000   | 13.000    | 13.000        |
| 0000001     | 006 | 00927 MAGNESIUM TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP | 59.000   | 59.000   | 59.000    | 59.000        |
| 0000001     | 007 | 00929 SODIUM TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP    | 1.700    | 1.700    | 1.700     | 1.700         |
| 0000001     | 008 | 00937 POTASSIUM TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  | 21.000   | 21.000   | 21.000    | 21.000        |
| 0000001     | 009 | 00940 CHLORIDE TOTAL MG/L AS CL                          | 11.000   | 11.000   | 4.000     | 4.000         |
| 0000001     | 010 | 00945 SULFATE TOTAL MG/L AS SO4                          | 0.140    | 0.140    | 0.000     | 0.000         |
| 0000001     | 011 | 00951 FLUORIDE TOTAL MG/L AS F                           | 9.200    | 9.200    | 9.200     | 9.200         |
| 0000001     | 012 | 00956 SILICA TOTAL MG/L AS SiO2                          | 9.200    | 9.200    | 50.000    | 50.000        |
| 0000001     | 013 | 00956 SILICA TOTAL MG/L AS SiO2                          | 1.000 <  | 1.000 <  | 50.000    | 50.000        |
| 0000001     | 014 | 01002 ARSENIC TOTAL RECOVERABLE ug/L AS AS               | 144.000  | 144.000  | 1000.000  | 1000.000      |
| 0000001     | 015 | 01007 BARIUM TOTAL RECOVERABLE ug/L AS BA ANAL BY ICP    | 0.500 <  | 0.500 <  | 0.500 <   | 0.500 <       |
| 0000001     | 016 | 01012 BERYLLIUM TOTAL RECOVERABLE ug/L AS BE ANAL BY ICP | 50.000 < | 50.000 < | 50.000 <  | 50.000 <      |
| 0000001     | 017 | 01022 BORON TOTAL RECOVERABLE ug/L AS B ANAL BY ICP      | 3.000 <  | 3.000 <  | 10.000    | 10.000        |
| 0000001     | 018 | 01027 CADMIUM TOTAL RECOVERABLE ug/L AS Cd ANAL BY ICB   | 5.000 <  | 5.000 <  | 50.000    | 50.000        |
| 0000001     | 019 | 01034 CHROMIUM TOTAL RECOVERABLE ug/L AS Cr ANAL BY ICB  | 5.000 <  | 5.000 <  | 5000.000  | 5000.000      |
| 0000001     | 020 | 01037 COBALT TOTAL RECOVERABLE ug/L AS Co ANAL BY ICP    | 292.000  | 292.000  | 1000.000  | 1000.000      |
| 0000001     | 021 | 01042 COPPER TOTAL RECOVERABLE ug/L AS Cu ANAL BY ICP    | 5.000 <  | 5.000 <  | 5000.000  | 5000.000      |
| 0000001     | 022 | 01045 IRON TOTAL RECOVERABLE ug/L AS Fe ANAL BY ICP      | 5.000 <  | 5.000 <  | 5000.000  | 5000.000      |
| 0000001     | 023 | 01051 LEAD TOTAL RECOVERABLE ug/L AS Pb                  | 5.000 <  | 5.000 <  | 150.000   | 150.000       |
| 0000001     | 024 | 01055 MANGANESE TOTAL RECOVERABLE ug/L AS Mn ANAL BY ICP | 5.000 <  | 5.000 <  | 5.000 <   | 5.000 <       |
| 0000001     | 025 | 01057 NICKEL TOTAL RECOVERABLE ug/L AS Ni ANAL BY ICP    | 3.000 <  | 3.000 <  | 50.000    | 50.000        |
| 0000001     | 026 | 01077 SILVER TOTAL RECOVERABLE ug/L AS Ag ANAL BY ICP    | 251.000  | 251.000  | 251.000   | 251.000       |
| 0000001     | 027 | 01092 STRONTIUM TOTAL RECOVERABLE ug/L AS Sr ANAL BY ICP | 5.000 <  | 5.000 <  | 5.000 <   | 5.000 <       |
| 0000001     | 028 | 01087 VANADIUM TOTAL RECOVERABLE ug/L AS V ANAL BY ICP   | 50.000   | 50.000   | 50.000    | 50.000        |
| 0000001     | 029 | 01092 ZINC TOTAL RECOVERABLE ug/L AS Zn ANAL BY ICP      | 5.000 <  | 5.000 <  | 5000.000  | 5000.000      |
| 0000001     | 030 | 01105 ALUMINUM TOTAL RECOVERABLE ug/L AS Al ANAL BY ICP  | 50.000 < | 50.000 < | 50.000 <  | 50.000 <      |
| 0000001     | 031 | 01147 SELENIUM TOTAL RECOVERABLE ug/L AS Se ANAL BY ICP  | 1.000 <  | 1.000 <  | 10.000    | 10.000        |
| 0000001     | 032 | 32730 PHENOLS TOTAL RECOVERABLE ug/L                     | 5.000 <  | 5.000 <  | 5.000 <   | 5.000 <       |
| 0000001     | 033 | 70300 RESIDUE TOTAL FILTERABLE @180 C. MG/L              | 336.000  | 336.000  | 2.000     | 2.000         |
| 0000001     | 034 | 71900 MERCURY TOTAL ug/L AS HG                           | 0.080    | 0.080    | 0.000     | 0.000         |
| 0000001     | 035 | 00013 WATER TEMPERATURE DEG C                            | 15.500   | 15.500   | 0.000     | 0.000         |
| 0000001     | 036 | 00059 FLOW (PUMPING) RATE GAL/MIN                        | 94.000   | 94.000   | 0.000     | 0.000         |
| 0000001     | 037 | 00090 OXIDATION-REDUCTION POTENTIAL (EHD) MILLIVOLTS     | 87.000   | 87.000   | 450.000   | 450.000       |
| 0000001     | 038 | 00095 CONDUCTIVITY(EC)-LABCMHDS/CM @ 25 C                | 1.000    | 1.000    | 1.000     | 1.000         |
| 0000001     | 039 | 00400 PH PH UNITS  | 140.000  | 140.000  | 140.000   | 140.000       |
| 0000001     | 040 | 72024 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN          | 53       | 53       | 54        | 54            |

PAGE: 129  
DATE: 12/18/90

PUBLIC: Y COMM: Y TYPE WATER: G

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FACILITY: 1570650 STEELVILLE

PAGE: 130  
DATE: 12/16/90

\*\*\* CONTINUED \*\*\*

SAMPLE NO: 0028955 LOCATION: WELL #5  
SMPL TYPE: RAW COLLECTOR: W STERNBERG  
SMPL PURP: 1-ROUTINE COMMENTS:  
SMPL PROG: I-GWM INORG OBSRVATNS:

ANALYSIS RSLT -----STORED-----  
ID NO NO DESCRIPTION  
00095 CONDUCTIVITY(EC)-LAB(CUMHOS/CM) AS 25 C  
00403 PH LABORATORY UNITS  
00410 ALKALINITY, TOTAL MG/L AS CACO3  
00610 NITROGEN,AMMONIA TOTAL MG/L AS N  
00630 NITRATE & NITRITE TOTAL MG/L AS N  
00720 CYANIDE, TOTAL MG/L AS CN  
00900 HARNESS, EDTA MG/L AS CACO3  
00916 CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP  
00927 MAGNESIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP  
00929 SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP  
00937 POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  
00940 CHLORIDE, TOTAL MG/L AS CL  
00945 SULFATE, TOTAL MG/L AS SO4  
00951 FLUORIDE, TOTAL MG/L AS F  
00956 SILICA, TOTAL MG/L AS S102  
01002 ARSENIC, TOTAL RECOVERABLE UG/L AS AS  
01007 BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP  
01012 BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP  
01022 BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP  
01027 CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICB  
01034 CHROMIUM, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICB  
01037 COBALT, TOTAL RECOVERABLE UG/L AS ASCR ANAL BY ICB  
01042 COPPER, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP  
01045 IRON, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP  
01051 LEAD, TOTAL RECOVERABLE UG/L AS FEANAL BY ICP  
01055 MANGANESE, TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP  
01057 NICKEL, TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP  
01077 SILVER, TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP  
01082 STRONTIUM, TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP  
01087 VANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP  
01092 ZINC, TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP  
01147 SELENIUM, TOTAL RECOVERABLE UG/L AS SE ANAL BY ICP  
70300 RESIQUE, TOTAL FILTERABLE 2180 C, MG/L  
79304 TOTAL DISSOLVED SOLIDS MG/L BY EC  
71900 MERCURY, TOTAL UG/L AS HG

COLL DATE: 03/09/83 DELIVERED BY:  
LAB RCVD: 04/14/83 RECEIVED BY:  
LAB COMPL: LAB SUPERVISOR:  
SMPL PERIOD: 03/83 FUND CODE:

-----STANDARDS-----  
UNITS DRINK WTR RAW WTR LEVEL

|         |   |          |
|---------|---|----------|
| 550.000 |   |          |
| 7.800   |   |          |
| 271.000 |   |          |
| 0.340   |   |          |
| 0.100   | < | 10.000   |
| 0.005   | < | 0.200    |
| 114.000 |   |          |
| 49.000  |   |          |
| 13.900  |   |          |
| 57.000  |   |          |
| 2.900   |   |          |
| 21.000  |   |          |
| 15.000  |   |          |
| 0.100   |   | 4.000    |
| 9.300   |   |          |
| 1.000   | < | 50.000   |
| 154.000 |   |          |
| 0.500   | < | 1000.000 |
| 4.000   |   |          |
| 3.000   | < | 10.000   |
| 5.000   | < | 50.000   |
| 5.000   | < |          |
| 4.000   |   | 5000.000 |
| 330.000 |   | 1000.000 |
| 5.000   | < | 50.000   |
| 5.000   | < | 150.000  |
| 3.000   | < |          |
| 5.000   | < | 50.000   |
| 264.000 |   |          |
| 4.000   | < |          |
| 6.000   |   | 5000.000 |
| 1.000   | < | 10.000   |
| 261.000 |   |          |
| 330.000 |   |          |
| 0.050   | < | 2.000    |

SAMPLE NO: 7000115 LOCATION: WELL  
SMPL TYPE: RAW COLLECTOR: IEPA SMPL COLLECTOR  
SMPL PURP: S-SPEC/OTHr COMMENTS:

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCVD: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PWGWP048  
MODULE: PWGWM026

FACILITY: 1570650 STEELEVILLE

\*\*\* CONTINUED \*\*\*

SMPL PRG #: V-VOC

OBSERVATNS:

ANALYSIS RSLT NO. NO. DESCRIPTION

UNITS

RESULT

STANDARDS

TRIGGER

LEVEL

SMPL PÉRIOD: 01/87

FUND CODE:

DRINK WTR

RAW WTR

LEVEL

00000001 001 32101 BROMOICHLOROMETHANE UG/L CG/MS  
00000001 002 32102 CARBON TETRACHLORIDE UG/L CG/MS  
00000001 003 32103 1,2-DICHLOROETHANE UG/L CG/MS  
00000001 004 32104 BROMOFORM UG/L CG/MS  
00000001 005 32105 DIBROMOCHLOROMETHANE UG/L GC/MS  
00000001 006 32106 CHLOROFORM UG/L GC/MS  
00000001 007 34010 TOLUENE UG/L  
00000001 008 34030 BENZENE UG/L  
00000001 009 34301 CHLOROBENZENE UG/L  
00000001 010 34371 ETHYLBENZENE UG/L  
00000001 011 34423 METHYLENE CHLORIDE UG/L  
00000001 012 34475 TETRACHLOROETHYLENE UG/L GC/MS  
00000001 013 34495 1,1-DICHLOROETHANE UG/L GC/MS  
00000001 014 34501 1,1-OICHLOROETHYLENE UG/L GC/MS  
00000001 015 34506 1,1,1-TRICHLOROETHANE UG/L GC/MS  
00000001 016 34546 TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS  
00000001 017 39180 TRICHLOROETHYLENE UG/L  
00000001 018 00010 WATER TEMPERATURE DEG C  
00000001 019 00059 FLOW (PUMPING) RATE GAL/MIN  
00000001 020 00090 OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS  
00000001 021 00025 CONDUCTIVITY(EC)-LAB(CMHOS/CM a 25 C  
00000001 022 00400 PH PH UNITS  
00000001 023 72004 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN  
00000001 024 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE  
00000001 025 90410

FACILITY: 1570650 STEELEVILLE  
TAP: 04 WELL 6-1000 FT E/MULBERRY-8 BLK N/R# 150  
RAW SRCE: 60211 WELL 6-1000 FT E/MULBERRY-8 BLK N/P# 150

PUBLIC: A

COMM: Y

TYPE WATER: G

COLL DATE: 01/22/87

LAB RCVD: 00/00/00

LAB COMPL: 00/00/00

SMPL PÉRIOD: 01/87

DELIVERED BY:

RECEIVED BY:

LAB SUPERVISOR:

FUND CODE:

DRINK WTR

RAW WTR

LEVEL

RESULT

STANDARDS

TRIGGER

LEVEL

0.430 < 10.000

0.100 <

0.010 <

0.010 <

0.200

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0.430

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

REPORT: PWGWP048  
MODULE: PWGWM026

FACILITY: 1510550 STEELEVILLE

PAGE: 132  
DATE: 12/18/90

\*\*\* CONTINUED \*\*\*

0000001 008 00937 POTASSIUM, TOTAL RECOVERABLE MG/L AS ANAL BY ICP

0000001 009 00940 CHLORIDE, TOTAL MG/L AS CL

0000001 010 00945 SULFATE, TOTAL MG/L AS SO4

0000001 011 00951 FLUORIDE, TOTAL MG/L AS F

0000001 012 00956 SILICA, TOTAL MG/L AS SiO2

0000001 013 00956 SILICA, TOTAL MG/L AS SiO2

0000001 014 01002 ARSENIC, TOTAL RECOVERABLE UG/L AS AS

0000001 015 01007 BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP

0000001 016 01012 BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP

0000001 017 01022 BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP

0000001 018 01027 CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICB

0000001 019 01034 CHROMIUM, TOTAL RECOVERABLE UG/L AS CR ANAL BY ICB

0000001 020 01037 COBALT, TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP

0000001 021 01042 COPPER, TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP

0000001 022 01045 IRON, TOTAL RECOVERABLE UG/L AS FE ANAL BY ICP

0000001 023 01051 LEAD, TOTAL RECOVERABLE UG/L AS Pb

0000001 024 01053 MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP

0000001 025 01067 NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP

0000001 026 01077 SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP

0000001 027 01082 STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP

0000001 028 01087 VANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP

0000001 029 01092 ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP

0000001 030 01105 ALUMINUM, TOTAL RECOVERABLE UG/L AS Al ANAL BY ICP

0000001 031 01147 SELENIUM, TOTAL RECOVERABLE UG/L AS Se ASSE

0000001 032 32730 PHENOLS, TOTAL RECOVERABLE UG/L

0000001 033 70300 RESIDUE, TOTAL FILTERABLE UG/L

0000001 034 71900 MERCURY, TOTAL UG/L AS HG

0000001 035 00910 WATER TEMPERATURE DEG C

0000001 036 00059 FLOW (PUMPING) RATE GAL/MIN

0000001 037 00030 OXIDATION-REDUCTION POTENTIAL (Eh) MILLIVOLTS

0000001 038 00095 CONDUCTIVITY (EC)-LAB (MMHOES/CM) 3 25 C

0000001 039 00400 PH PH UNITS

0000001 040 72004 FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN

0000001 041 72019 DEPTH FROM LAND SURFACE TO WATER SURFACE

0000001 042 90410 152.000

0000001 043 286.000

SAMPLE NO: 2000127 LOCATION: WELL  
SMPL TYPE: RAW COLLECTOR: TEPA SMPL COLLECTOR  
SMPL PURP: 5-SPEC/OTHR COMMENTS:  
SMPL PRPG: I-GUM INORG OBSRVATNS:

ANALYSIS RSLT -----STORET-----  
ID NO NO DESCRIPTION

0000001 001 00610 NITROGEN, AMMONIA TOTAL MG/L AS N

0000001 002 00630 NITRATE & NITRITE TOTAL MG/L AS N

0000001 003 00655 PHOSPHORUS, TOTAL MG/L AS P

0000001 004 00720 CYANIDE, TOTAL MG/L AS CN

0000001 005 00916 CALCIUM, TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP

0000001 006 00927 MAGNESIUM, TOTAL RECOVERABLE MG/L AS MG ANAL BY ICP

0000001 007 12.000

| UNITS | RESULT | DRINK WTR | RAW WTR | LEVEL |
|-------|--------|-----------|---------|-------|
|       | 0.560  |           |         |       |
|       | 0.100  | 10.000    |         |       |
|       | 0.010  |           | <       |       |
|       | 0.010  |           | <       |       |
|       | 0.200  |           |         |       |
|       | 41.000 |           |         |       |

COLL DATE: 01/22/87 - DELIVERED BY:  
LAB RCVD: 00700700 - RECEIVED BY:  
LAB COMPL: 00700700 LAB SUPERVISOR:  
SMPL PERIOD: 01/87 FUND CODE:

-----STANDARDS-----  
TRIGGER

ACILITY: 1570650 STEELEVILLE

CONTINUED \*

| ANALYSIS ID | NO    | DESCRIPTION   | STORER | LOCATION: WELL #6<br>COLLECTOR: W STERNBERG |
|-------------|-------|---|--------|---|
| 00000001    | 00929 | SODIUM, TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP    |        |   |
| 00000001    | 00937 | POTASSIUM, TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  |        |   |
| 00000001    | 00940 | CHLORIDE, TOTAL MG/L AS CL                          |        |   |
| 00000001    | 007   | SULFATE, TOTAL MG/L AS SO4                          |        |   |
| 00000001    | 008   | FLUORIDE, TOTAL MG/L AS F                           |        |   |
| 00000001    | 009   | SILICA, TOTAL MG/L AS SiO2                          |        |   |
| 00000001    | 010   | ARSENIC, TOTAL RECOVERABLE UG/L AS AS               |        |   |
| 00000001    | 011   | BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP    |        |   |
| 00000001    | 012   | BERYLLIUM, TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP |        |   |
| 00000001    | 013   | BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY ICP      |        |   |
| 00000001    | 014   | CADMIUM, TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP   |        |   |
| 00000001    | 015   | CHROMIUM, TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICP  |        |   |
| 00000001    | 016   | COBALT, TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP    |        |   |
| 00000001    | 017   | COPPER, TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP    |        |   |
| 00000001    | 019   | IRON, TOTAL RECOVERABLE UG/L AS Fe ANAL BY ICP      |        |   |
| 00000001    | 020   | LEAD, TOTAL RECOVERABLE UG/L AS Pb                  |        |   |
| 00000001    | 021   | MANGANESE, TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP |        |   |
| 00000001    | 022   | NICKEL, TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP    |        |   |
| 00000001    | 023   | SILVER, TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP    |        |   |
| 00000001    | 024   | STRONTIUM, TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP |        |   |
| 00000001    | 025   | VANADIUM, TOTAL RECOVERABLE UG/L AS V ANAL BY ICP   |        |   |
| 00000001    | 026   | ZINC, TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP      |        |   |
| 00000001    | 027   | ALUMINUM, TOTAL RECOVERABLE UG/L AS Al ANAL BY ICP  |        |   |
| 00000001    | 028   | SELENIUM, TOTAL RECOVERABLE UG/L AS Se              |        |   |
| 00000001    | 029   | PHENOLS, TOTAL RECOVERABLE UG/L AS PHENOL           |        |   |
| 00000001    | 030   | RESIDUE, TOTAL FILTERABLE 2180 C, MG/L              |        |   |
| 00000001    | 031   | MERCURY, TOTAL UG/L AS HG                           |        |   |
| 00000001    | 032   | WATER TEMPERATURE DEG C                             |        |   |
| 00000001    | 033   | FLOW (PUMPING) RATE GAL/MIN                         |        |   |
| 00000001    | 034   | OXIDATION-REDUCTION POTENTIAL (Eh) MILLIVOLTS       |        |   |
| 00000001    | 035   | CONDUCTIVITY (EC)-LAB CUMHOS/CM @ 25 C              |        |   |
| 00000001    | 036   | PH PH UNITS   |        |   |
| 00000001    | 037   | FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN           |        |   |
| 00000001    | 038   | DEPTH FROM LAND SURFACE TO WATER SURFACE            |        |   |
| 00000001    | 039   |   |        |   |
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|--------------|-----------|------------|-------------|
| SAMPLE NO.:  | 8043106   | LOCATION:  | WELL #6     |
| SMPL. TYPE:  | PAW       | COLLECTOR: | W STERNBERG |
| SMPL. PURP.: | 1-ROUTINE | COMMENTS:  |             |
| SMPL. PROC.: | TCM       | ASRVTNS:   |             |
| TEMP.:       | 20        |            |             |

| UNITS | RÉSULT | STANDARDS | TRIGGER<br>LEVEL |
|-------|--------|-----------|------------------|
|       |        | DRINK WTR | RAW WTR          |

CONDUCTIVITY (EC) =  $\frac{1}{25} \times \text{EC}$   
 PH LABORATORY UNITS  
 ALKALINITY, TOTAL MG/L AS  $\text{CaCO}_3$   
 NITROGEN, AMMONIA TOTAL MG/L AS N  
 NITRATE & NITRITE TOTAL MG/L AS N

ACILITY: 1570650 STEELEVILLE

\*\*\* CONTINUED \*\*\*

| ITEM    | TEST                   | UNITS  | RESULT   | STAN      |
|---------|------------------------|--|--|-----------|
| 00720   | CYANIDE TOTAL          | MG/L AS CN                                       | 0.005 <  | 0.200     |
| 00900   | HARDNESS               | MG/L AS CACO <sub>3</sub>                        | 149.000  |           |
| 01016   | CALCIUM                | TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         | 42.000   |           |
| 00927   | MAGNESIUM              | TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         | 12.800   |           |
| 00929   | SODIUM                 | TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP         | 79.000   |           |
| 00937   | POTASSIUM              | TOTAL RECOVERABLE MG/L AS K ANAL BY ICP          | 3.600  |           |
| 00940   | CHLORIDE               | TOTAL MG/L AS CL                                 | 25.000   |           |
| 00945   | SULFATE                | TOTAL MG/L AS SO <sub>4</sub>                    | 16.000   |           |
| 00951   | FLUORIDE               | TOTAL MG/L AS F                                  | 0.160  | 4.000     |
| 00955   | SILICA                 | TOTAL MG/L AS SiO <sub>2</sub>                   | 10.000   |           |
| 10002   | ARSENIC                | TOTAL RECOVERABLE UG/L AS AS                     | 1.000 <  | 50.000    |
| 10037   | BARIUM                 | TOTAL RECOVERABLE UG/L AS Ba ANAL BY ICP         | 208.000  |           |
| 10112   | BERYLLIUM              | TOTAL RECOVERABLE UG/L AS Be ANAL BY ICP         | 0.500 <  |           |
| 10222   | BORON                  | TOTAL RECOVERABLE UG/L AS B ANAL BY ICP          | 70.000   |           |
| 10227   | CADMIUM                | TOTAL RECOVERABLE UG/L AS Cd ANAL BY ICP         | 3.000 <  | 10.000    |
| 10334   | CHROMIUM               | TOTAL RECOVERABLE UG/L AS Cr ANAL BY ICP         | 5.000 <  | 50.000    |
| 10337   | COBALT                 | TOTAL RECOVERABLE UG/L AS Co ANAL BY ICP         | 5.000 <  |           |
| 10342   | COPPER                 | TOTAL RECOVERABLE UG/L AS Cu ANAL BY ICP         | 5.000 <  | 5000.000  |
| 10445   | IRON                   | TOTAL RECOVERABLE UG/L AS Fe ANAL BY ICP         | 270.000  |           |
| 10501   | LEAD                   | TOTAL RECOVERABLE UG/L AS Pb                     | 6.000 <  | 1000.000  |
| 10555   | MANGANESE              | TOTAL RECOVERABLE UG/L AS Mn ANAL BY ICP         | 5.000 <  | 50.000    |
| 10667   | NICKEL                 | TOTAL RECOVERABLE UG/L AS Ni ANAL BY ICP         | 3.000 <  | 150.000   |
| 10777   | SILVER                 | TOTAL RECOVERABLE UG/L AS Ag ANAL BY ICP         | 5.000 <  |           |
| 10882   | STRONTIUM              | TOTAL RECOVERABLE UG/L AS Sr ANAL BY ICP         | 277.000  |           |
| 10887   | VANADIUM               | TOTAL RECOVERABLE UG/L AS V ANAL BY ICP          | 4.000 <  |           |
| 11092   | ZINC                   | TOTAL RECOVERABLE UG/L AS Zn ANAL BY ICP         | 49.000 <   | 5000.000  |
| 11147   | SELENIUM               | TOTAL RECOVERABLE UG/L AS Se                     | 1.000 <  | 10.000    |
| 03000   | RÉSIDUE                | TOTAL FILTERABLE à 180 °C, MG/L                  | 364.000  |           |
| 03004   | TOTAL DISSOLVED SOLIDS | MG/L BY EC                                       | 360.000  |           |
| 19000   | MERCURY                | TOTAL UG/L AS HG                                 | 0.050 <  | 2.000     |
| 11125   | STORE#                 | LOCATION: WELL<br>COLLECTOR: IEPA SMPL COLLECTOR |  |           |
| EC/0THP | COMMENTS:              |  |  |           |
| C       | OBSRVATNS:             |  |  |           |
| 21101   | NU                     | DESCRIPTION                                      | COLL DATE: 01/22/2000<br>LAB RCVD: 00/00/00<br>LAB COMPL: 00/00/00<br>SMPL PERIOD: 01/87 | DRINK WTR |
| 21102   | BROMO-DICHLOROMETHANE  | UG/L GC/MS                                       | 1.000 <  | 5.000     |
| 21103   | CARBON TETRACHLORIDE   | UG/L GC/MS                                       | 1.000 <  | 5.000     |
| 21104   | 1,2-DICHLOROETHANE     | UG/L   | 1.000 <  |           |
| 21105   | BROMOFORM              | UG/L GC/MS                                       | 1.000 <  |           |
| 21106   | DIBROMOCHLOROMETHANE   | UG/L GC/MS                                       | 1.000 <  |           |
| 21107   | CHLOROFORM             | UG/L GC/MS                                       | 1.000 <  |           |
| 21108   | TOLUENE                | UG/L   | 1.000 <  |           |
| 21109   | BENZENE                | UG/L   | 1.000 <  |           |
| 21110   | CHLOROBENZENE          | UG/L   | 1.000 <  |           |
| 21111   | ETHYL BENZENE          | UG/L   | 1.000 <  |           |

|             |             |            |           |
|-------------|-------------|------------|-----------|
| SAMPLE NO.: | ZC00125     | LOCATION:  | WELL      |
| SMPL TYPE:  | RAW         | COLLECTOR: | IEPA      |
| SMPL PURP.: | 5-SPEC/OTHP | COMMENTS:  | RESIDUALS |
| PROV.:      | Y-YANGTZE   |            |           |

COLL DATE: 01/22/87 DELIVERED BY:  
LAB RCVD: 00/00/00 RECEIVED BY:  
LAB COMPL: 00/00/00 LAB SUPERVISOR:  
FUND CODE:  
MPL PERIOD: 01/87

RESULTS UNITS -----  
STANDARDS -----  
DRINK WTR -----  
RAW WTR -----  
LEVEL -----  
TRIGGER -----

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|          |       |                       |      |        |
|----------|-------|-----------------------|------|--------|
| 00000001 | 32101 | BRÖMÖDICHLOROMETHANE  | UG/L | CG/M/S |
| 00000001 | 32102 | CARBON TETRACHLORIDE  | UG/L | CG/M/S |
| 00000001 | 32103 | 1,2-DICHLOROETHANE    | UG/L |        |
| 00000001 | 32104 | BRÖMOPFORM            | UG/L | CG/M/S |
| 00000001 | 32105 | DI BROMOCHLOROMETHANE | UG/L | GC/M/S |
| 00000001 | 32106 | CHLOROFORM            | UG/L | GC/M/S |
| 00000001 | 34010 | TOLUENE               | UG/L |        |
| 00000001 | 34030 | BENZENE               | UG/L |        |
| 00000001 | 34311 | CHLOROBENZENE         | UG/L |        |
| 00000001 | 34371 | ETHYL BENZENE         | UG/L |        |
| 00000001 | 34623 | METHYLENE CHLORIDE    | UG/L |        |

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MODULE: PHGMW026

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF PUBLIC WATER SUPPLIES  
SELECTED SAMPLE EXPANDED REPORT

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FACILITY: 1570550 STEELEVILLE

\*\*\* CONTINUED \*\*\*

|         |     |       |  |
|---------|-----|-------|--|
| 0306001 | 012 | 34475 | TETRACHLOROETHYLENE UG/L GC/MS                 |
| 0000001 | 013 | 34496 | 1,1-DICHLOROETHANE UG/L GC/MS                  |
| 0000001 | 014 | 34501 | 1,1-DICHLOROETHYLENE UG/L GC/MS                |
| 0000001 | 015 | 34506 | 1,1,1-TRICHLOROETHANE UG/L GC/MS               |
| 0000001 | 016 | 34546 | TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS          |
| 0000001 | 017 | 39180 | TRICHLOROETHYLENE UG/L                         |
| 0000001 | 018 | 00010 | WATER TEMPERATURE DEG C                        |
| 0000001 | 019 | 00059 | FLOW (PUMPING) RATE GAL/MIN                    |
| 0000001 | 020 | 00090 | OXIDATION-REDUCTION POTENTIAL (EHD) MILLIVOLTS |
| 0300001 | 020 | 00090 | CONDUCTIVITY(EC)-LABCUMHOS/CH 3 25 C           |
| 0000001 | 021 | 00095 | PH PH UNITS                                    |
| 0000001 | 022 | 00400 | FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN      |
| 0000001 | 023 | 72014 | DEPTH FROM LAND SURFACE TO WATER SURFACE       |
| 0000001 | 024 | 72019 |  |
| 0000001 | 025 | 90410 |  |
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## APPENDIX F



## HAZARD REVIEW WORKSHEET

1. Unique I.D. Number 6 0 2 0 9 - 0 3 - X I, Distance and Direction from the Wellhead: 100 feet south
2. Nature of Business: unmarked building
3. DLPC Permit Number(s) and Description (e.g., RCRA, Generic, Solid Waste, UIC, etc.): none
4. DAPC Permit Number(s) and Description: none
5. DWPC Permit Numbers and Description (e.g., NPDES, Industrial Pre-Treatment, Sewer Plans, etc.): none
6. ERU Incidents and Description: none
7. ERU 313 Reports and Description: none
8. ESDA 302/303 Reports and Description: none
9. ESDA 311/312 Reports and Description: none
10. PWS compliance monitoring conducted and describe the results (e.g., VOC/VOA sample detects, etc.):  
none
11. ISFM list the underground storage tanks registered, provide the owner name and address:

Owner Name

Address

unknown

12. Is the site sewered or non-sewered? N/A

If the site is not sewered, describe:

13. Has on-site past or present landfilling, land treating, or surface impoundment of waste, other than landscape waste or construction and demolition debris occurred?

[ ] Yes. If yes, describe:

[ X ] No.

14. Are there currently any on-site piles of special or hazardous waste?

[ ] Yes. If yes, describe:

[ X ] No.

15. Are on-site piles of waste (other than special or hazardous wastes) managed according to Agency guidelines?

[ ] Yes.

[ X ] No. If no, describe:

16. Are there currently any underground storage tanks present on-site, and will any underground tanks be installed in the future?

[ X ] Yes. If yes, describe: one tank -- size unknown

[ ] No.

17(a). Has any situation(s) occurred at this site which resulted in a "release" of any hazardous substance or petroleum?

[ ] Yes (continue to next question)

[ X ] No (stop here)

(b). Have any hazardous substances or petroleum, which were released, come into contact with the ground surface at this site? (Note--do not automatically exclude paved or otherwise covered areas that may still have allowed chemical substances to penetrate into the ground.)

[ ] Yes (continue to next question)

[ ] No (stop here)

(c). Have any of the following actions/events been associated with the release(s) referred to in question 17(b)?

[ ] Hiring of a cleanup contractor to remove obviously contaminated materials including subsoils

[ ] Replacement or major repair of damaged facilities

[ ] Assignment of in-house maintenance staff to remove obviously contaminated materials including subsoils

[ ] Designation, by IEPA or the ESDA, of a release as "significant" under the Illinois Chemical Safety Act

[ ] Reordering or other replenishment of inventory due to the amount of substance lost

- [ ] Temporary or more long-term monitoring of groundwater at or near the site
- [ ] Stop usage of an on-site or nearby water well because of offensive characteristics of the water
- [ ] Coping with fumes from subsurface storm drains or inside basements
- [ ] Signs of substances leaching out of the ground along the base of slopes or at other low points on or adjacent to the site

(d). The on-site release(s) may have been of sufficient magnitude to contaminate groundwaters. Summarize the problem.

18. Are there more than 100 gallons of either pesticides or organic solvents, or 10,000 gallons of any hazardous substance, or 30,000 gallons of petroleum present at any time?

- [ ] Yes. If yes, describe:
- [ X ] No.

19. Do any of the regulated entities have groundwater monitoring systems, and have any exceeded compliance requirements?

- [ ] Yes. If yes, describe:
- [ X ] No.

20. After considering all of the above criteria does this site potentially pose a hazard to groundwater?

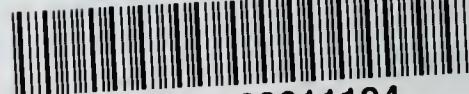
- [ X ] Yes. If yes, describe: any below ground fuel tank in close proximity to a water well is a potential hazard
- [ ] No.

WB:dk5/122q, 10-12





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